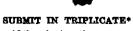
FILE HOTATIONS

Entered in NID File Checked by Chief Location Map Finned Approval Letter Card Indened Disapproval Letter COMPLETION DATA: Location Inspected Date Well Completed 10-11-69 Bond released OW. ... WW. TA.... State or Fee Land GW.... OS.... PA.... LOGS FILED Driller's Log 2:12:79. Electric Logs (No.) E..... I,..... Dual I Lat. GR-N..... Micro..... BilC Sonic GR. Lat..... Mi-L. Sonic..... CBLog..... CCLog..... Others....

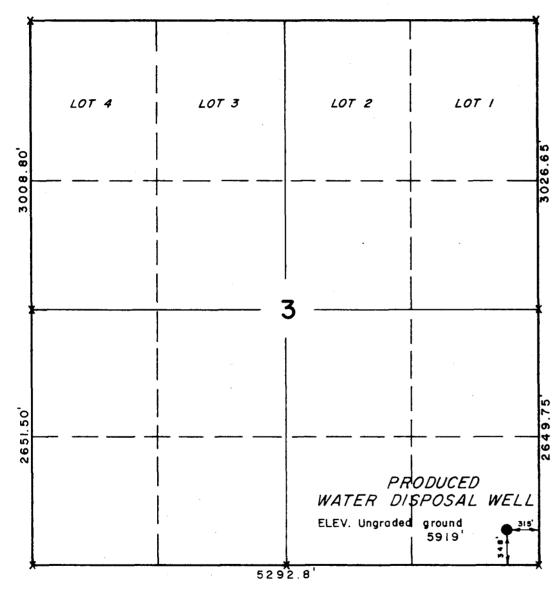


STATE OF UTAH

(Other instructions on reverse side)

	OIL & GAS CONSE	RVATION COM	MISSION		5. LEASE DESIGNATION Fee Land	AND SERIAL NO.
APPLICAT	ION FOR PERMIT	TO DRILL, DI	EPEN, OR PL	UG BACK	6. IF INDIAN, ALLOTTE	OR TRIBE NAME
a. Type of Work	DRILL X	DEEPEN [PLU	G BACK 📋	7. UNIT AGREEMENT N	AME
b. TYPE OF WELL			_	MULTIPLE [7		·
WELL NAME OF OPERATO		Water Disposa	ZONE	ZONE	8. FARM OR LEASE NAME WATER DISPOSA	<u> </u>
	.1 Company, Wester	n Division			9. WELL NO.	-
ADDRESS OF OPER	* * * <u></u>		··		#1 (44-3C)	
	455, Vernal, Utah				10. FIELD AND POOL, O	
A t assertance	L (Report location clearly as				Bluebell Fiel	
At proposed prod		02 000, 2,	1, 1, 00.		AND SURVEY OR AR	EDA .
					Sec. 3, T1S,	
	LES AND DIRECTION FROM NE	-			Duchesne	Utah
5. DISTANCE FROM			6. NO. OF ACRES IN I	LEASE 17. NO.	OF ACRES ASSIGNED	
LOCATION TO NE	Carest Se line. FT.		Unknown	TOT	ens wall t Applicable	
8. DISTANCE FROM	t drlg. line, if any) PROPOSED LOCATION*		9. PROPOSED DEPTH	· ·	ARY OR CABLE TOOLS	
OR APPLIED FOR, O	LL, DRILLING, COMPLETED, ON THIS LEASE, FT.	First Well	3100'	Ro	tary	
•	w whether DF, RT, GR, etc.)	· _			22. APPROX. DATE WO	
	aded Ground 5919'				September 1	, 1969
•		PROPOSED CASING	AND CEMENTING	PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO			QUANTITY OF CEMEN	TT.
174"	13 3/8"	104 EL 5			4	
<u></u>		48# or 54.5	+ 90	TO Si	rface	
121	9 5/8"	47.0#	# + 90°		rrace rrace	
It is prop Duchesne R dated July	9 5/8" cosed to drill and liver Formation per 14, 1969, of the	47.0# complete a 3 er application State of Uta	100° produced to, dated July h Oil and Gas	to Signature dispute 27, 1969 s Conservat	oosal well in to and approval to Board.	from ,
It is prop Duchesne R dated July ABOVE SPACE DES ne. If proposal i eventer program,	9 5/8" cosed to drill and liver Formation per 14, 1969, of the sto drill or deepen direction if any.	47.0# complete a 3 er application State of Uta	100° produced to, dated July h Oil and Gas	ata on present propations and measure	oosal well in the and approval to board.	from.
It is prop Duchesne R dated July ABOVE SPACE DES ne. If proposal i	9 5/8" cosed to drill and liver Formation per 14, 1969, of the 14 sto drill or deepen direction if any. Tiginal Signed by W. PATTERSON	47.0# complete a 3 er application State of Uta	100° produced to, dated July h Oil and Gas	to Signature dispute 27, 1969 s Conservat	oosal well in the and approval to board.	from ,
It is prop Duchesne R dated July ABOVE SPACE DES ne. If proposal i eventer program, Or R, SIGNED	9 5/8" cosed to drill and liver Formation per 14, 1969, of the sto drill or deepen direction if any.	complete a 3 er application State of Uta	100° produced to, dated July h Oil and Gas	ata on present propations and measure	oosal well in the and approval to Board.	from, d new productives. Give blowou
It is prop Duchesne R dated July ABOVE SPACE DES THE PROPOSAL I T	9 5/8" cosed to drill and liver Formation per 14, 1969, of the 14, 1969, of the sto drill or deepen direction if any. riginal Signed by W. PATTERSON	complete a 3 er application State of Uta	100° produced to, dated July h Oil and Gas	ata on present propations and measure	oosal well in the and approval to Board.	from, d new productives. Give blowou

TIS, R2W, USB & M



X = Corners Found or Reestablished

PROJECT

CHEVRON OIL COMPANY "PRODUCED WATER DISPOSAL WELL" Located as shown in the SEV4, Section 3, TIS, R2W, USB & M, DUCHESNE COUNTY, UTAH.

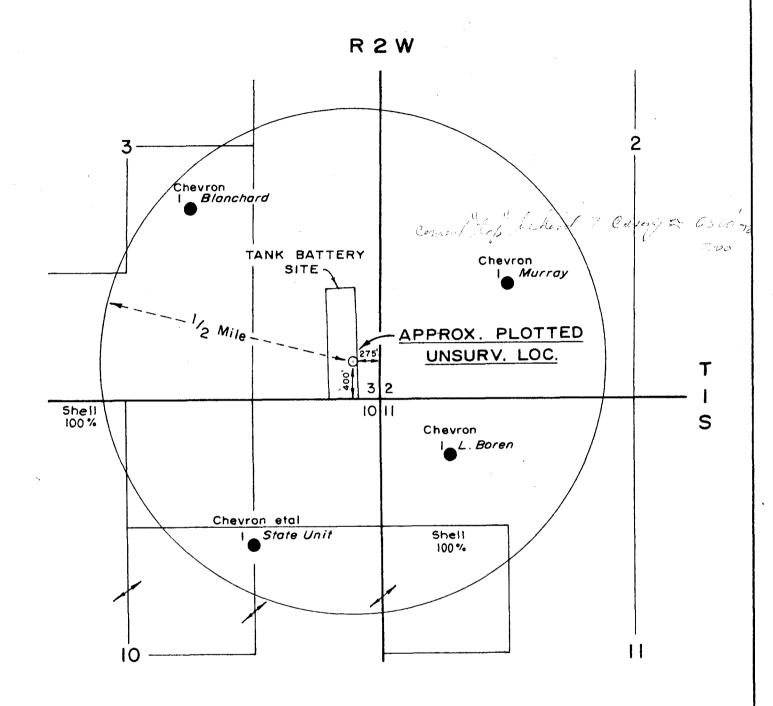


THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

REGISTERED LAND SURVEYOR REGISTRATION Nº 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
POBOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE " = 1000'	DATE 15 AUG., '69
NJM RM MH	REFERENCES GLO Plat
WEATHER Fair Warm	CHEVRON



BLUEBELL FIELD DUCHESNE COUNTY, UTAH

EXHIBIT "A" PLAT OF PROPOSED PRODUCTION WATER DISPOSAL WELL

SCALE: 1"=1000'

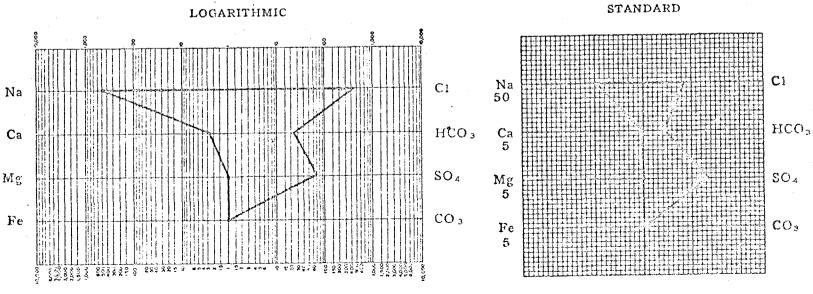
JUNE 26, 1969



WATER ANALYSIS EXCHANGE REPORT

MEMBER Chevron Oil Company OPERATOR Chevron Oil Company WELL NO. No. 1 Fay Mecham FIELD Bluebell COUNTY Duchesne STATE Utah	LAB NO. 24529 REPORT NO. LOCATION NW SE 2-15-2W FORMATION Green River INTERVAL 10395-10416 SAMPLE FROM Production DATE July 22, 1968
REMARKS & CONCLUSIONS: Cloudy water	r, cloudy filtrate,
Cations mg/1 meq/1	Anions mg/1 meq/1
Sodium 11582 503.81 Potassium 110 2.82 Lithium - - Calcium 57 2.84 Magnesium 11 0.90 Iron - -	Chloride 14900 420.18 Carbonate
Total Cations 510,37	Total Anions 510,37
Total dissolved solids, mg/1 30581 NaC1 equivalent, mg/1 28648 Observed pH 8	Deceme residence & or

WATER ANALYSIS PATTERNS





CHEVRON OIL COMPANY

WESTERN DIVISION

1700 BROADWAY P.O. BOX 599 DENVER COLO 80201

July 3, 1969

Mr. Cleon B. Feight, Secretary Department of Natural Resources Board of Oil and Gas Conservation 1588 West North Temple Salt Lake City, Utah 84116

Dear Mr. Feight:

I am enclosing, in Mr. Balkovatz's absence, additional water analyses from our Bluebell field, Duchesne County, Utah. The chemistry of these oil-associated waters may provide you with additional background in considering the Chevron application of 6-27-69 concerning a shallow well into the Lower Duchesne River formation for underground disposal of produced Lower Green River formation water.

While not to be considered as part of that application, we had thought that additional produced water data might assist your study.

Very truly yours,

A. E. SINGLETON

AES/pr

Attachments:

Chem Lab Water Analyses:

#1 F. Mecham - production (7-22-68)#24529

#1 S. M. Bank Unit Wellhead (4-29-69) #1787-2

#1 State Unit treater (4-18-69) #1787-3

#1 Murray Unit treater (4-18-69) #1787-4

#1 L. Boren treater (4-18-69) #1787-5

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 279

Casper, Wyoming

WATER ANALYSIS REPORT

WELL NO. Cent	esne ,		DATE June 26, 19 LOCATION Gree INTERVAL PROM PROM	en River	
REMARKS & CONCL	usions: Li	ght pink co	lored water.		
Cations	mg/1	meq/1	Anions	mg/1	meq/1
Sodium	_ 13,129	571.09	Sulfate	4,716	98.09
Potassium	340	8.70	Chloride	16,400	462,48
Lithium			Carbonate	•	
Calcium	89	4.44	Bicarbonate	1,513	24.81
Magnesium	14	1.15	Hydroxide		
Iron	<u>absent</u>		Hydrogen sulfide	<u>trace</u>	
Total	Cations	585.38	Total A	Anions	585.38
Total dissolved solids, r	-	35,433	Specific resistance @ 68°	°F.:	5
NaCl equivalent, mg/1		$\frac{32,748}{8.2}$	Observed -	$\frac{0.220}{0.220}$	O CHINDING COLD
Observed pH	·	0.4	Calculated -		ohm-meters

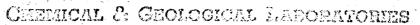
WATER ANALYSIS PATTERN

Scale Sample above described MEQ per Unit C1 C1 50 Na Na НСО₃ 5 HCO₃ Ca Ċa SO₄ SO₄ Mg Mg CO₃ СОз Fe Fe

(Na value in above graphs includes Na. K. and Li)

NOTE: Mg/1=Milligrams per liter Meq/1= Milligram equivalents per liter

Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components



P. O. Bon 279

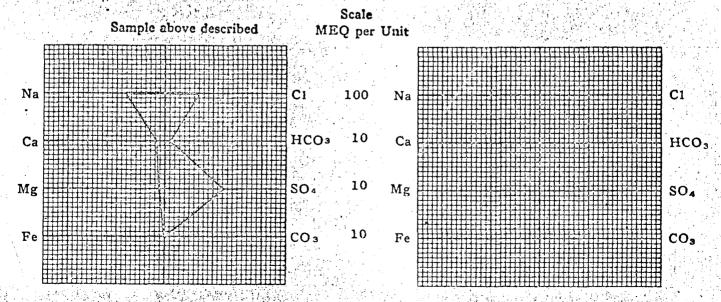
Casper, Wyoming

WATER ANALYSIS REPORT

		•			and the second second	
OPERATOR_C	hevron Oil Compa	ny	DATE Janua	ry 8, 1968	LAB NO	23938
WELL NO. 1	Blanchard (33-3)	LOCATION	NW SE 3-18		• .
FIELD B	luebell (Cedarvi	ew Area)	FORMATION	Duchesne F	liver	
COUNTYD	uchesne	ri s	INTERVAL	2735 - 281	.5	
STATEU	tah "	, 1 - 1 - 1 - 1	SAMPLE FROM	DST No. 1	(Bottom)	
REMARKS & CON	ICLUSIONS: Clea	r water.				
	Recovered	100 feet mud	; 2438 feet wa	ter.		
	1. 1940年 1911年 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Maria da Maria				
Cations	<u>mg/1</u>	meq/1	Anions		mg/1	meq/1
Sodium	19,816	861.94	Sulfate		6,066	126,17
Potassium	50	1.28	Chloride		26,800	755,76
Lithium		4.3	Carbonate -		•	<u> </u>
Calcium	389	19.41	Bicarbonate -		781	12,81
Magnesium	147	12.08	Hydroxide -			. 1 / 1 - 1
Iron	absent	-	Hydrogen sulfid	e	absent	
Tota	l Cations	894.71		Total Anions		894,71
Total dissolved colid		53,653 50,573	Specific resistant		0.156	ohm-meters

WATER ANALYSIS PATTERN

Calculated



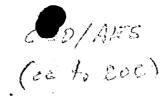
(Na value in above graphs includes Na, K, and Li)

NOTE: Mg/1=Milligrams per liter Meg/1= Milligram equivalents per liter

Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

ohm-meters



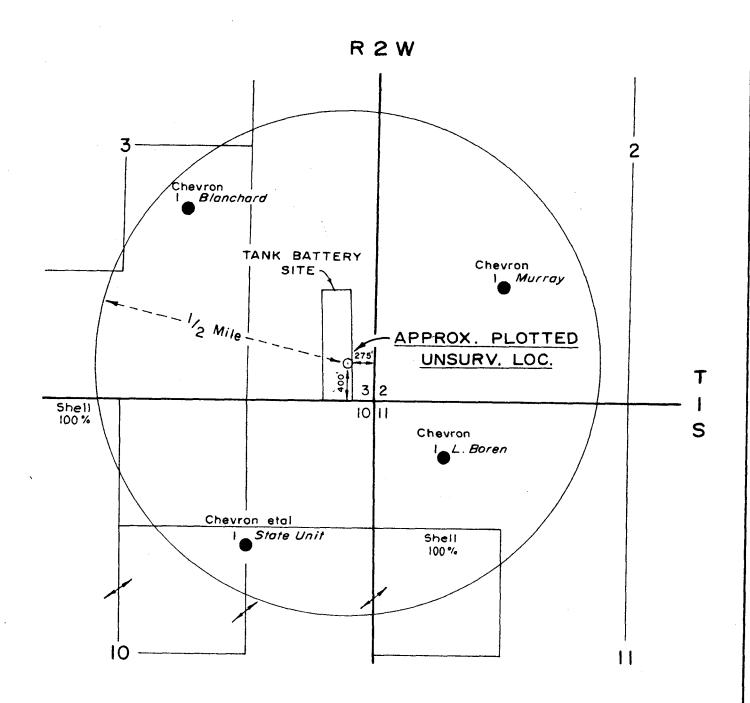


WATER ANALYSIS EXCHANGE REPORT

MEMBER	Chevron Cil	Company	LAB NO3	24298-2	REPORT	. NO
OPERATOR_	Chevron Oil	Company	LOCATION_	MW SE 3	-1S-2W	
WELL NO.	Blanchard N	o, 1 (33-3)	FORMATION	Green R		
FIELD	Bluebell		INTERVAL		- 10,410	
COUNTY	Duchesne		SAMPLE FR	OM Product	ion (4-25-	68)
STATE	Utah		DATE	May 13,	1968	· · · · · · · · · · · · · · · · · · ·
SIMID						
DEMADES &	CONCLUSIONS	Slightly	cloudy water and	i filtrate.	· · · · · · · · · · · · · · · · · · ·	
KEMAKKS &	CONCEDENT					
						
		<u> </u>				
					The second secon	
-					má/j	men/1
Cations	<u>m</u>	g/1 meq/1		ns	mg/1	meq/1
Cations Sodium		750 467,59	9 Sulfate -		4,765	99.11
Sodium			9 Sulfate -			99,11
Sodium Potassium -		750 467,59	9 Sulfate -		4,765 12,400	99.11
Sodium Potassium - Lithium		750 467,59	9 Sulfate - 2 Chloride - Carbonate		4,765	99,11
Sodium Potassium - Lithium Calcium		750 467,59 110 2,82	9 Sulfate 2 Chloride Carbonate 4 Bicarbonate		4,765 12,400 1,623	99.11
Sodium Potassium - Lithium Calcium Magnesium -		750 467,59 110 2,82 87 4,34	9 Sulfate 2 Chloride Carbonate 4 Bicarbonate		4,765 12,400	99.11
Sodium Potassium - Lithium Calcium		750 467,59 110 2,82 87 4,34 8 0,66	9 Sulfate - 2 Chloride - Carbonate 4 Bicarbonate 6 Hydroxide		4,765 12,400 1,623	99.11 349.68 26.62
Sodium Potassium - Lithium Calcium Magnesium -		750 467,59 110 2,82 87 4,34 8 0,66	9 Sulfate - 2 Chloride - Carbonate - 4 Bicarbonate - Hydroxide - Hydrogen :		1,765 12,400 1,623 absent	99.11
Sodium Potassium - Lithium Calcium Magnesium -		750 467.59 110 2,82 87 4.34 8 0.66 ent -	9 Sulfate - 2 Chloride - Carbonate - 4 Bicarbonate - Hydroxide - Hydrogen :	sulfide	1,765 12,400 1,623 absent	99.11 349.68 26.62
Sodium Potassium - Lithium Calcium Magnesium -	abs Total Cations	750 467,59 110 2,82 87 4,34 8 0,66 ent	Sulfate Chloride Carbonate Bicarbonate Hydroxide Hydrogen	sulfide	4,765 12,400 1,623 absent	99.11 349.68 26.62 - 475.41
Sodium Potassium - Lithium Calcium Magnesium -	abs Total Cations	750 467.59 110 2.82 87 4.34 8 0.66 ent 475.41 28,919	Sulfate Chloride Carbonate Bicarbonate Hydroxide Hydrogen	sulfide Total Anie	4,765 12,400 1,623 absent	99.11 349.68 26.62 - 475.41

WATER ANALYSIS PATTERNS

STANDARD Cı Na Na 100 HCO, HCO. Ca Ca 10 SOA SO4 Mg Mg 10 CO 3 Fe CO3 Fe 10



BLUEBELL FIELD DUCHESNE COUNTY, UTAH

EXHIBIT "A" PLAT OF PROPOSED PRODUCTION WATER DISPOSAL WELL

SCALE: 1"=1000"

JUNE 26, 1969





STATE OF UTAH SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

	 -				·
110	. & GAS CONSER	VATION COMMI	SSION		5. LEASE DESIGNATION AND SERIAL NO. Fee Land
APPLICATIO	N FOR PERMIT	TO DRILL, DEEP	EN, OR PLUG B	BACK	6. IF INDIAN, ALLOTTED OR TRIBE NAME
1a. TYPE OF WORK	<u>^ </u>				
DR	RILL 🕱	DEEPEN 🗌	PLUG BA	CK 🗌	7. UNIT AGREEMENT NAME
b. TYPE OF WELL				,	
	WELL OTHER V	Nater Disposal $^{ m s}_{ m z}$	INGLE MULTIP	'LE	8. FARM OR LEASE NAME
2. NAME OF OPERATOR					Water Disposal
Chevron Oil (Company, Western	n Division			9. WELL NO.
3. ADDRESS OF OPERATOR					#1 (44-3C)
P. O. Box 45	5, Vernal, Utah	84078			10. FIELD AND POOL, OR WILDCAT
A t cumfo oo	Report location clearly and				Bluebell Field
348'	FSL and 315' FEI	of Sec. 3, TlS	, R2W, USB&M		11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zo	ne	·	To the same of the		AND DOWNER OF THE PROPERTY OF
		X	575E		Sec. 3, T1S, R2W, USB&
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST OFFIC	D*		12. COUNTY OR PARISH 13. STATE
Approximately	y 4 miles south	and west of Neo	la, Utah		Duchesne Utah
15. DISTANCE FROM PROP		16. No	O. OF ACRES IN LEASE		OF ACRES ASSIGNED
LOCATION TO NEARE PROPERTY OR LEASE LI	NE, FT.	y l	Inknown	4	HIS WELL T Applicable
(Also to nearest drl.		19. PI	ROPOSED DEPTH		RY OR CABLE TOOLS
	DRILLING, COMPLETED,	165.	100 '	D 0	. to at easy
21. ELEVATIONS (Show wi		LITAC METT! 45	100	A.O	22. APPROX. DATE WORK WILL START*
·	•	***			
ungrade 23.	ed Ground 5919'			· · · · · · · · · · · · · · · · · · ·	September 1, 1969
2 0.	, ,	PROPOSED CASING ANI	CEMENTING PROGRA	M	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
173"	13 3/8"	48# or 54.5#	+ 90'	To Su	rface
12½"	9 5/8"	47.0#	TD	To Su	
	7 370	77,40			
Duchesne Rive		application to	, dated June 27	7, 1969	osal well in the , and approval from,
auteu guzy z-	, 1,00, VI cae	APPROVE	D BY DIVISION OF	OF	ON DOULES
		DATE	-22-69		
			8 Feigh	7	
	drill or deepen directions				uctive zone and proposed new productive i and true vertical depths. Give blowout
24. SIGNED ROY	atterson	TITLE	Unit Superint	endent	8/20/69
(This space for Fede	eral or State office use)				
PERMIT NO. 43-	013-30	21	APPROVAL DATE		
APPROVED BY	VAL, IF ANY:	TITLE			DATE



CHEVRON OIL COMPANY

WESTERN DIVISION

1700 BROADWAY P.O. BOX 599 DENVER COLO 80201

V. P. CLINE
GENERAL ATTORNEY
ATTORNEYS
W. M. BALKOVATZ
R. L. PAINTER

June 27, 1969

State of Utah Department of Natural Resources Board of Oil and Gas Conservation 1588 West North Temple Salt Lake City, Utah 84116

Attention: Mr. C. B. Feight, Secretary

Gentlemen:

Pursuant to Rule C-11 of the General Rules and Regulations of the Board, attached are the original and one copy of Chevron Oil Company, Western Division's Application requesting approval to drill a disposal well for the purpose of disposing of salt water produced in association with oil in the Bluebell Field, Duchesne County, Utah, all as more fully set forth in the Application.

If no objection is received within the time set forth in Rule C-11, I would appreciate approval of the Application without a hearing.

Very truly yours,

W. M. Balkows

Encl. WMB:bjs

CHEMICAL & GEOLOGICAL LABORATORIES

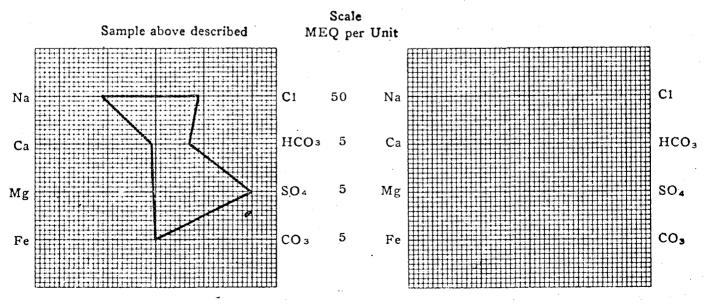
P. O. Box 279

Casper, Wyoming

WATER ANALYSIS REPORT

OPERATOR Ch	evron Oil Compar	<u> </u>	DATE June 26	<u> 1969 </u>	_ LAB N	o. 2107-2
	ntral Battery		LOCATION		· · · · · · · · · · · · · · · · · · ·	
FIELDB1	uebell		FORMATION	Green Ri	ver	-
COUNTYDu	chesne ,		INTERVAL			
	ah	·	SAMPLE FROM	produced	water 6	-24-69
		ight pink col	ored water			•
REMARKS & CON	CLUSIONS:	ight princeor	ored water.			
						
Cations	mg/1	meq/1	Anions		mg/1	meq/1
Sodium	13,129	571.09	Sulfate	· · ·	4,716	98.09
Potassium	340	8.70	Chloride	<u> </u>	6,400	462,48
Lithium		<u>-</u>	Carbonate	·	<u> </u>	_
Calcium	89	4.44	Bicarbonate	. <u></u>	1,513	24.81
Magnesium	14	1.15	Hydroxide		-	
Iron	absent	-	Hydrogen sulfide -	<u>t</u>	race	-
					_	
Tota	l Cations	585.38	Tot	al Anions		585.38
Total dissolved solid	s, mg/1	35,433	Specific resistance @	68°F.:	•	
	g/1	32,748	Observed	·	0.22	ohm-meter
			Calculated		0.220	O ohm-meter

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na. K, and Li)

NOTE: Mg/1=Milligrams per liter Meq/1= Milligram equivalents per liter

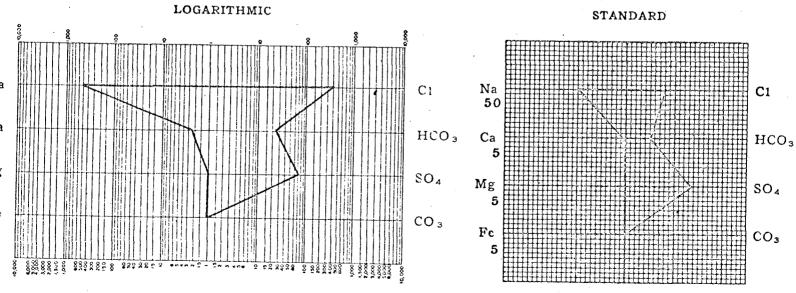
Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components



WATER ANALYSIS EXCHANGE REPORT

MEMBER Chevron Oil Company OPERATOR Chevron Oil Company WELL NO. L. Boren No.1 FIELD Bluebell COUNTY Duchesne STATE Utah REMARKS & CONCLUSIONS:	LOCATION Section 11-15-2W FORMATION Green Rivor INTERVAL SAMPLE FROM Treater (4-18-69)				
	meq/1 485.50 7.62 - 2.59 0.90	Anions Sulfate Chloride Carbonate Bicarbonate Hydroxide Hydrogen sulfide -	- 14300 		
Total dissolved solids, mg/1 2	496.61 29,853 27,883 8.0	Specific resistance @	68° F.: 0.280	O ohm-meter	

WATER ANALYSIS PATTERNS

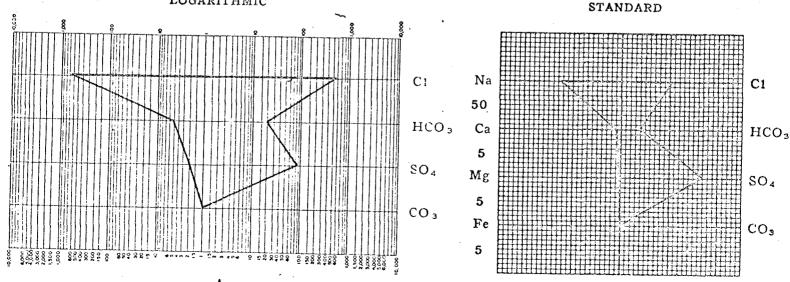




WATER ANALYSIS EXCHANGE REPORT

MEMBER_OPERATOR_WELL NOFIELD_COUNTY_STATE	Chevron Murray Un Bluebell Duchesne Utah		ny .	LAB NO LOCATION FORMATION INTERVAL SAMPLE FROM DATE	Section 2 Green Riv Treater (April 29,	-1S-2W er 1-18-69) 1969	
Cations		mg/1	meq/1	Anions		mg/l	meq/1
Potassium - Lithium		389 		Sulfate Chloride Carbonate - Bicarbonate - Hydroxide - Hydrogen sulfic	· · · ·	1220	
	Total Cations		639.01		Total Anions		639,01
Total dissolved s NaC1 equivalent, Observed pH	mg/1		36,161	Specific resista Observ Calculat		0,209	ohm-meters

WATER ANALYSIS PATTERNS

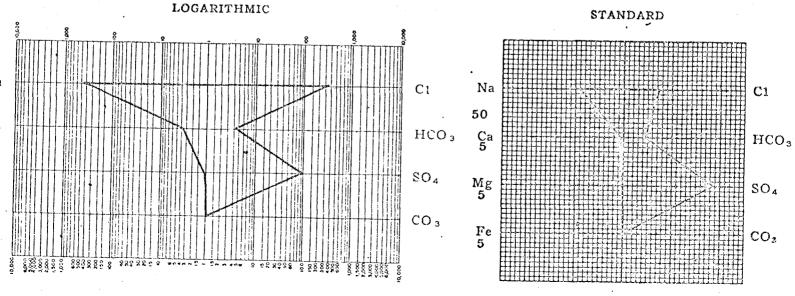




WATER ANALYSIS EXCHANGE REPORT

OPERATOR Chev WELL NO. State FIELD Blue		ly .	LAB NO	Secti Green Treat	ion 10- 1 River	1S-2W 18-69)	T NO.
				We then the second			
Cations	<u>mg/1</u>	meq/1	Anions		<u>.</u>	mg/1	meq/1
Sodium	- 10,254 - 300 - 74 - 14 - absent	3,69 1,15 458.52	Sulfate Chloride Carbonate - Bicarbonate - Hydroxide - Hydrogen sulfid	le	135	00 - 54 - sent	92,27 344,04 - 22,21 - 458.52
Total dissolved solids, n NaC1 equivalent, mg/1	ng/1	27,945 25,436 8.1	Specific resistar Observe Calculat	nce @ 6	THE COLUMN TWO COLUMNS TO THE COLUMN TWO COL	0,290 0,275	ohm-meters

WATER ANALYSIS PATTERNS



(Na value in above graphs includer Na, K, and Li)

NOTE: Mg/1=Milligrams per liter. Meq/1=Milligram equivalents per liter

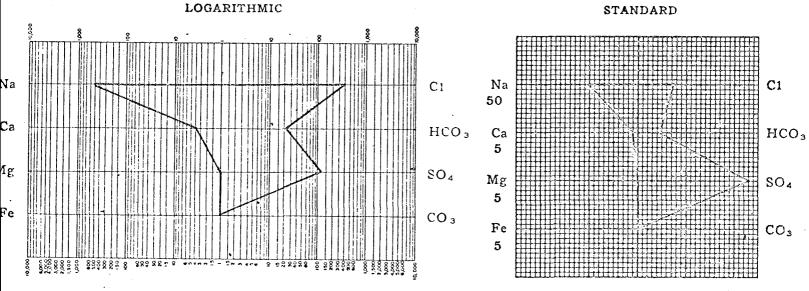
Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components



WATER ANALYSIS EXCHANGE REPORT

MEMBER Chevron Oil Company OPERATOR Chevron Oil Company WELL NO. S.M. Bank Unit No.1 FIELD Bluebell COUNTY Duchesne STATE Utah REMARKS & CONCLUSIONS:		LAB NO. 1787-2 LOCATION Section FORMATION Green INTERVAL SAMPLE FROM WE DATE AP	n 10-18 River 11head ril 29,	1969	·	
				•		
						-
Cations Sodium	mg/1	meq/1 504.01	Anions Sulfate		mg/1 5572	meq/1
Potassium	320	8.19	Chloride Carbonate		13400	115.90 377.88
Calcium Magnesium		3.89 0.90	Bicarbonate Hydroxide Hydrogen sulfide -	- ,		
Tota	l Cations	516.99	Tota	al Anions	• • • •	516 ,99
NaC1 equivalent, mg/	s, mg/1	28,571_	. Obbolivea	68° F.:	0.27 0.25	ohm-meters

WATER ANALYSIS PATTERNS



BEFORE THE BOARD OF OIL AND GAS CONSERVATION DEPARTMENT OF NATURAL RESOURCES IN AND FOR THE STATE OF UTAH

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)	Α	P	P	L	I	С	Α	Т	Ι	0	N
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)))))))))))))))) APPLICATIO)))

Comes now applicant, CHEVRON OIL COMPANY, WESTERN DIVISION, by and through its undersigned attorney, and in support of this application respectfully shows:

- (1) Chevron Oil Company is a corporation organized and existing under the laws of the State of California, and is duly authorized to do business in the State of Utah.
- (2) Applicant is an operator in the Bluebell Field, Duchesne County, Utah.
- (3) Applicant is now utilizing surface pits to dispose of salt water which is unfit for domestic, livestock, irrigation or other general uses, produced in association with oil, but the volume of such water may exceed the amount that can be disposed of by evaporation.
- (4) Unless sub-surface disposal is provided, the salt water accompanying further production of oil could cause surface damage and possible pollution of potable surface water.
- (5) That Applicant proposes to drill a well for disposing of produced salt water by injection into the lower portion of the Duchesne River formation.
- (6) Pursuant to Rule C-11, of the General Rules and Regulations of the Board, the following information is submitted:
 - (a) Attached hereto as Exhibit "A" and by this reference made a part hereof, is a plat showing: the location of the proposed disposal well; the location of all oil wells; and the names of lessees of record within one-half mile of the proposed disposal well.

- (b) Applicant proposes to inject produced salt water into the lower Duchesne River formation. The lower Duchesne River formation is of the Tertiary age and consists of sandstones, white to tan, which appear in drill cuttings as unconsolidated sand grains, very fine to medium and occasionally coarse to very coarse grained, subround and poorly sorted. In places the sandstones are porous and permeable and occur in thinner interbeds of soft, varicolored shale, predominantly ocher with lesser red, graygreen and lavender, slightly calcareous, occasionally very finely sandy. (c) The proposed disposal well will be drilled upon approval of this application. Accordinaly, Exhibit "B," attached hereto and by this reference made a part hereof, the log
 - of the No. 1 W. H. Blanchard well is submitted in lieu of the log of the proposed disposal well. Exhibit "B" shows the depth of the formation into which water is to be injected.
- (d) Prior to injection electrical and radioactive logs will be run throughout the Duchesne River formation in the proposed disposal well. From the information obtained from such logs, the well will be perforated in the lowermost zones of capacity for disposal of the produced salt water.
- (e) The description of the proposed disposal well casing is as follows:
 - 50' 20" conductor cemented to surface.
 - (b) 500' - 13 3/8" surface pipe cemented to surface.
 - 3100' 9 5/8" casing cemented to surface. Before use of the well for injection, the casing will be tested to 3,000 psi.
- (f) The minimum estimated amount of water to be injected, produced in association with oil from the Green River formation, is \pm 1,000 BWPD. The present designed capacity

of pumping facilities are capable of injecting 2,000 BWPD.

- (g) The names and addresses of those notified of the filing of this application are shown on Exhibit "C" attached hereto and by this reference made a part hereof.
- (7) As shown on Exhibits "D" and "E", attached hereto and by this reference made a part hereof, the water produced in association with oil from the Green River formation contains approximately 30,000 ppm of dissolved solids, and as shown on Exhibit "F", attached hereto and by this reference made a part hereof, the water in the lower zones of the Duchesne River formation contains approximately 53,000 ppm of dissolved solids.

Thus, Exhibits "D", "E" and "F" show that the produced water is of better quality than the water contained in the lower zones of the Duchesne River formation into which Applicant proposes to dispose of produced water.

WHEREFORE, Applicant respectfully requests that the Board of Oil and Gas Conservation, pursuant to Rule C-11, administratively approve the disposal of water produced with oil all as more fully set forth herein.

DATED this 27th day of June, 1969.

CHEVRON OIL COMPANY, WESTERN DIVISION

W. M. Balkovatz

Its Attorney P. O. Box 599

Denver, Colorado 80201

VERIFICATION

I, W. M. Balkovatz, do solemnly swear that I have read the fore-going Application by me subscribed, and that I have been reliably informed and verily believe the facts therein stated to be true.

W. M. Balkovatz

STATE OF COLORADO

SS.

CITY AND COUNTY OF DENVER)

Subscribed and sworn to before me this 27th day of June, 1969.

Notary Public

CERTIFICATE OF MAILING

STATE	OF	COLORAI	00)	
)	SS.
CITY	AND	COUNTY	OF	DENVER)	

I, W. M. Balkovatz, Attorney for Chevron Oil Company, Western Division, hereby certify that on the 27th day of June 1969, I deposited in the United States Post Office at Denver, Colorado by registered mail postage thereon fully prepaid, a sealed envelope containing a copy of the Application of Chevron Oil Company, Western Division, to the Board of Oil and Gas Conservation of the State of Utah to which this Certificate is attached, addressed to the following:

Mr. Rex Ross Walker 1262 Sixtieth Street Boulder, Colorado 80302

Shell Oil Company
P. O. Box 999
Bakersfield, California 93301

Humble Oil & Refining Company P. O. Box 120 Denver, Colorado 80201

Mr. Ross Walker 536 Park Heights Circle Tyler, Texas 75701

Shell Oil Company
P. O. Box 1200
Farmington, New Mexico 87401

Uqueahgut, Inc. P. O. Box 357 Vernal, Utah 84078

STATE OF COLORADO)
SS.
CITY AND COUNTY OF DENVER)

W. M. Balkovatz

The foregoing instrument was subscribed and sworn to before me this 27th day of June, 1969.

Witness my hand and official seal.

E. Cooper Notary Public

My Commission expires July 9, 1972

My Commission Expires 1-9-72

CERTIFICATE OF MAILING

STATE OF	COLORADO)	
)	SS
CITY AND	COUNTY OF	DENVER)	

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Farmington, New Mexico 87401

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STATE OF COLORADO)
SS.
CITY AND COUNTY OF DENVER)

W. M. Balkovatz

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Witness my hand and official seal.

E. L. Cooper Notary Public

My Commission expires July 9, 1972

My Commission Expires

1-9-72

July 14, 1969

Chevron Oil Company P.O. Box 599 Denver, Colorade 80201

Attn: W. M. Belkovets, Attorney

Re: Bluebell Field Water Disposal Well Duchesne County, Utah

Gent Lenen:

No objections having been received from the lessees of interest within a radius of one-helf mile of the above mentioned well, approval is hereby granted, as provided for under Rule C-11, to drill said well and convert it to a water disposal well.

It would be appreciated if a letter could be received from your production department giving the Division their thoughts regarding migration of injected veters up the annulus of the surrounding producing wells. It appears that although sement will be behind the coming in the injection well, the same interval remains exposed in all the surrounding well sites.

Thanking you for your thoughts on this matter.

Very truly yours.

DIVISION OF OIL & GAS CONSERVATION

CLEON B. PRIGHT BIRECTOR

CBF: ad

ce: Redney A. Smith, U.S. Geological Survey
Mr. Nex Rees Valker, Boulder, Colorado
Shell Oil Company, Bakerefield, California
Shell Oil Company, Farmington, New Hexico
Mumble Oil & Refining Company, Denver, Colorado
Mr. Ross Valker, Tyler, Texas
Uqueahgut, Inc., Vernal, Utah



CHEVRON OIL COMPANY

WESTERN DIVISION

P. O. BOX 455 VERNAL UTAH 84078

July 22, 1969

State of Utah Department of Natural Resources Division of Oil & Gas Conservation 1588 West North Temple Salt Lake City, Utah 84116

Attention: Mr. Cleon B. Feight

Gentlemen:

Your letter of July 14, 1969, granting Chevron approval to drill and convert a well to water disposal, also requested that we provide you with our thoughts regarding the possible migration of injected water upward behind the oil string casing in adjacent producing wells.

Our interpretation of electric logs indicates only the top 1500' of section has fresh water potential which could be utilized for domestic purposes. The salinity increases with depth from that point to the bottom of the Duchesne River formation. Available records indicate the deepest Duchesne River formation water well is 810 feet deep.

We believe that, of the four wells within one-half mile radius of the proposed injection well, three wells are permanently protected against upward migration of fluids to fresh water sands. This was accomplished on their initial completions by running a DV cementing tool as an integral part of their oil strings at about 2000 feet and cementing upwards to provide a seal. The fourth well, Clyde Murray Unit #1 in the SW½ of Sec. 2, was left with good mud behind the pipe which should preclude the migration of fluid in its annulus; however, we do plan to observe the annulus pressure on this well and if there is any increase after water disposal has commenced, we shall consider through pipe remedial work to prevent migration. Attached for your reference are the locations of the DV tools and depth of surface casing of the four wells.

State of Utah
Dept. of Natural Resources
Mr. Cleon B. Feight
Page Two

If additional information is required, please advise this office.

Very truly yours,

N. W. PATTERSON

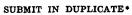
RWP/cw

cc: E. M. Kipp

ATTACHMENT

We11	Depth DV Tool	Cement Out DV Tool	Depth of Surface Csg.
Leonard Boren #1 NW NW Sec. 11	1978'	200 Sxs	794 ¹
W. H. Blanchard #1 NW SE Sec. 3	2052'	300 Sxs	8571
Chevron et al State Unit #1 NE Sec. 10	2046 *	250 Sxs	512'
Clyde Murray Unit #1	-	-	515'





STATE OF UTAH

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INSTRUCTIONS

or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

In office office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

It not filler special and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Wen 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency

or Federal office for specific instructions.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 24 and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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GEOLOGIC MARKERS	1	MEAS. DEPTH		Surface	3080	
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SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, PLOWING AND SHUT-IN RESSURES, AND RECOVERIES	DESCRIPTION, CONTENTS, ETC.	·				
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IMPORTANT ZONES OF POR UBRVAL TESTED, CUSHION U	TOP	•), A:			
DEPTH INT	FORMATION					





March 20, 1975

Chevron Oil Company P.O. Box 599 Benver, Colorado 80202

ATTENTION: William M. Balkovatz, Staff Attorney

Re: Well No's:

SWD #2-10B1

Sec. 10, T. 2 S, R. 1 W,

SWD #3-31A3

Sec. 31, T. 1 S, R. 3 W,

Duchesne County, Utah

Dear Mr. Balkovatz:

Pursuant to our letter of February 18, 1975, pertaining to the above referred to walt water disposal wells; you are hereby advised that said approval letter should have had the following provisions of the Order issued in Cause No. 139-9 outlined as follows:

- 1) Applicant will take two samples of formation water by production swab tests, one from the upper interval and one from a lower interval.
- 2) Applicant will notify this office prior to taking such samples in order that a member of our staff may be present to witness such tests, and take independent samples.
- 3) Applicant will provide continuous monitoring of the salt water disposal well as to the volume of fluids injected and injection pressures.

 (This provision also applies to your Disposal #1 well located in Sec. 3, T. 1 S, R. 2 W,)

Should you have any questions relative to the above, please do not hesitate to call or write.

Very truly yours.

CLEON B. FEIGHT DIRECTOR

K

July 14, 1975

MEMO FOR FILING

Re: Chevron 011 Company S.W.D. (44-3C)

Sec. 3, T. 1 S., R. 2 W. USM

Duchesne County, Utah

On July 9, 1975, a visit was made to the above referred to well site.

A field inspection of this facility was made, and the following conditions were noted:

- 1) No pressure recorder.
- 2) No pressure gauge.
- 3) Very poor housekeeping conditions, with surface oil spills, junk and miscellaneous debris eyident.

It is recommended that the above conditions be rectified immediately.

PATRICK L. DRISCOLL CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. GEOLOGICAL SURVEY Cheyron Oil Company July 14, 1975

Chevron 011 Company Box 599, 1700 Broadway Denver, Colorado 80202

Re: SWD (44-3C)

Sec. 3, T. 1 5., R. 2 W. Duchesne County, Utah

Enclosed, is a copy of a memo relating to the various poor conditions existing on the above mentioned well site.

It is recommended, that these conditions be rectified as soon as possible.

Very truly yours,

DIVISION OF OIL, CAS, AND MINING

PATRICK L. DRISCOLL CHIEF PETROLEUM ENGINEER

PLD: tb

cc: U. S. GEOLOGICAL SURVEY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES



DIVISION OF OIL, GAS, AND MINING					signation and serial no.
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Chevron U.S.A.]	[nc.			1 -	Disposal
8. ADDRESS OF OPERATOR				9. WELL NO.	
P. O. Box 599, I				1-3A2	
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FRACTURE TREAT		ULTIPLE COMPLETE	FRACTURE TREATMENT	AL	TERING CASING
SHOOT OR ACIDIZE X	_	BANDON*	SHOOTING OR ACIDIZING	AB	ANDONMENT*
(Other)		TANGE PLANS	(Other)	of multiple co	mpletion on Well
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SIGNED XXVV	mor	TITLE E	ngineering Assistant	_ DATE _	8/21/80
(This space for Federal or 8	State office	use)			
APPROVED BY	A. T. T. T. A. N.	TITLE		DATE_	·

SCOTT M. MATHESON
Governor

GORDON E. HARMSTON

Executive Director,

NATURAL RESOURCES

CLEON B. FEIGHT

Director



OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE MGINTYRE

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING 1588 West North Temple Salt Lake City, Utah 84116 (801) 533-5771

TO: All Water Disposal Well

Operators

DATE:

September 30, 1980

FROM: CLEON B. FEIGHT

SUBJECT: Waste Water Disposal

Well's

A recent survey of the WDW'S in the Uintah Basin was made and the following apparent deficiencies were noted:

(1) If a high-low pressure shut-off switch was installed, in most instances the high shut-off was far above the formation break-down pressure. Also, on many wells, a pressure chart or gauge for injection pressure had not been installed.

(At this point we'd like to remind all operators that one of the conditions for the utilization of WDW'S was the selection of 0.5/lb. square inch/ft. of depth as the overall formation fracture gradient).

- (2) In numerous cases we were unable to determine the presence of a recording device or meter for daily volume injected. (This Division does not at this time specify the type of recording device to be utilized, however, in the case of continued absence of any recorder, it shall and will be the perogative of the Division to shut the WDW in until such time a working recording device is installed).
- (3) Housekeeping in many areas is totally inadaquate, and results in unnecessary pollution.
 - (4) Well identification signs were missing on several locations.

This Division would appreciate if all operators would take immediate steps to put these wells in proper operating order no later than October 30, 1980.

Due to the recent adoption of Rules & Regulations for underground injection of produced water, as well as secondary recovery, etc. by the EPA, a representative from said agency will accompany a member of this Division on our November inspection.

Memo September 30, 1980 Page Two

So at this time we ask and hope that these wells be in First Class condition.

THANK YOU

DIVISION OF OIL, GAS AND MINING

CLEON B. FEIGHT

DIRECTOR

CBF/bjh

Form Approved.

Form 9-331 Budget Bureau No. 42-R1424 Dec. 1973 UNITED STATES 5. LEASE DEPARTMENT OF THE INTERIOR Fee 6. IF INDIAN, ALLOTTEE OR TRIBE NAME **GEOLOGICAL SURVEY** 7. UNIT AGREEMENT NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.) 8. FARM OR LEASE NAME Water Disposal well 9. WELL NO. other Water Disposal-1-3A2 2. NAME OF OPERATOR 10. FIELD OR WILDCAT NAME Chevron U.S.A. Inc. Bluebell 3. ADDRESS OF OPERATOR 11. SEC., T., R., M., OR BLK. AND SURVEY OR P. O. Box 599, Denver, CO 80201 AREA 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 Sec. 3, T1S, R2W, USB & M below.) AT SURFACE: 348' FSL & 315' FEL (SESE) 12. COUNTY OR PARISH 13. STATE AT TOP PROD. INTERVAL: Duchesne Utah AT TOTAL DEPTH: 14. API NO. 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 15. ELEVATIONS (SHOW DF, KDB, AND WD) KB 5935 SUBSECUENT REPORT OF: REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE (NOTE: Report results of multiple completion or zone REPAIR WELL change on Form 9-330.) PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON* (other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Well was perforated & acidized as follows: MI & RU WO Rig, RIH w/wireline, tag fill & C/O to 3100'. MI perforating equip. perforated intervals: 3035-3053', 2967-2978', 2889-2905', 2873-2883', 2849-2865', 2803-2817', 2745-2749', 2708-2737'. Set pkr at 2670'. Press. test annulus to 2000 psi. MI pumping equip. and acidized at above intervals Place well on production. 3-USGS Present Status: ·2-State Date: 12/80 ·1-GAH BWPD: 75,158 1-Sec 723 1-File Set @ __ Subsurface Safety Valve: Manu. and Type ___ 18. I hereby certify that the/foregoing is true and correct TITLE Engineering Asst. DATE March 17, 1981

(This space for Federal or State office use)

TITLE

CONDITIONS OF APPROVAL, IF ANY:

No additional surface disturbances required for this 30 high by.

7		•
WELL.	NAME	Water Disposal 1-3A2
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*******	_water_Disposal_L=JAZ
		•

FIELD NAME Bluebell

COMPLETED TREATMENT PROCEDURE

- 1. Size and type of treatment: Acid 10,000 gal HCL 15%
- 2. Intervals treated: 3035-3053', 2967-2978', 2889-2905', 2873-2883', 2849-2865', 2803-2817', 2745-2749', 2708-2737'.

10

- 3. Treatment down casing or tubing. Tubing
- 4. Methods used to localize effects: 400 ball sealers and 1200# benzoic acid flakes were used as diverting agents.
- 5. Disposal of treating fluid: Spent acid was swabbed back to flat tank.
- 6. Depth to which well was cleaned out: 3190'
- 7. Time spent bailing and cleaning out:
- 8. Date of work: 8-26-80
- 9. Company who performed work: Dowell
- 10. Production interval: 2708-3053'
- 11. Status and production before treatment:

Date	BOPD	MCFD	BWPD
6/80			2177 Injecting

12. Status and production after treatment:

Date BOPD MCFD BWPD

STATE OF UTAH

SUBMIT AN TRIPLICATE*
(Other instructions on reverse side)

DEPARTMENT OF NATURAL RESOURCES

	5. LEASE	5. LEASE DESIGNATION AND SERIAL NO. Fee			
	l I				
SIINDE	6. IF IND	IAN, ALLOTTER OR TRIBE NAME			
		ES AND REPORTS a to drill or to deepen or plus			
	"APPLICAT	ION FOR PERMIT—" for such	g back to different reservoir.		
i.			MIE CISTS	7. UNIT	GREEMENT NAME
WELL WELL	OTHER	Water Disposal		1 PR	
2. NAME OF OPERATOR				'	OR LEASE NAME
CHEVRON U.S.A.	LNC.		17012		Mater Disposal
D O Dow 500 7		CO 90201	NOV 25 1987 TO STORE GAS & MINING	A Prairie	
4. LOCATION OF WELL (Report	location clea	CU OUZUI	NV Stone red Alberta	10 state	-3A2
See also space 17 below.) At surface		,	OIL, GAOTON OF	P	Sluebell
348' FSL and 31'	5' FET.	SESE	MININ & CO	11. aBC.,	T., B., M., OR BLK. AND
5-10 10H and 51.	, 122	0202	NihiV(3	RVET OR AREA
				- 1	3, T1S, R2W USB&M
14. PERMIT NO.	1	15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	3	TY OR PARISH 18. STATE
		KB 5935		Duc	hesne Utah
l6. <i>C</i>		, P T 1 1.	A1		
· ~.	neck App	ropriate Box to indicate	Nature of Notice, Report	, or Other Date	1
NOTICE	OF INTENTIO	: от ко	8	UBSEQUENT ESPOR	r of:
TEST WATER SHUT-OFF	rui	L OR ALTER CASING	WATER SHUT-OFF		REPAIRING WELL
FRACTURE TREAT	мс	LTIPLE COMPLETE	FRACTURE TREATMENT		ALTERING CASING
SHOOT OR ACIDIZE	ΔB/	ANDON*	SHOOTING OR ACIDIZIN	o 🔲	ABANDONMENT*
REPAIR WELL	си.	ANGE PLANS	(Other)		
(Other)			(Note: Report a	results of multiple rcompletion Repor	completion on Well t and Log form.)
	OIL, G	VED BY THE STAND DIVISION OF AS, AND MININ	\ 		3-State 2-USGS 1-LRH 1-Sec. 723 1-File
		No additional disturbances for this acti	required	·	
18. I hereby certify that the fo	pregoing is the		gineering Assistant	DAT	November 19, 198
07//	State - # -				
(This space for Federal or	orare omce	ಚ ಕಾರ∤			
APPROVED BY	AL, IF ANY	TITLE	•4	DAT	TE

DISPOSAL WELL #1-3A2 BLUEBELL, DUCHESNE CO., UTAH

Well Data:

TD: 31501

PBTD:

3114'

Csg:

9-5/8" 47# N-80

2-7/8" 6.5# N-80 @ 2703'

Tbg: Pkr:

Baker lok-set @ 2664'

2708'-3053' (103 levels, 242 holes)

Procedure:

MIR & RU.

POOH w/ tbg & pkr.

- RIH w/ bit and scraper and circulate hole clean to PBTD w/ produced water.
- 4. POOH w/ tools & RIH w/ pkr & RBP to isolate and acidize the following intervals (test tbg to 5000 psig):

	<u>Interval</u>	Acid Volume	#Balls
1)	3035'-3053'	1800 gal	50
2)	2967'-2978'	1100 gal	30
3)	2849'-2905'	4200 gal	115
4)	2803'-2817'	1400 gal	40
5)	2708'-2749'	1400 gal	80

Fluids:

15% HCl w/ necessary additives

Diversion - 2% KCl water with 2#/gal benzoic acid flakes

Produced water

Nitrogen - Run 500 scf/bbl throughout all fluids

Pump Requirements:

Pressure:

5000 psig max

Rate:

Max rate @ 5000 psig

HHP:

2000 should be available

Pumping Procedures:

Zones 1, 2, 4, 5:

1. Pump 50 bbls produced water

2. Follow w/ acid containing 7/8", 1.1 S.G.

ball sealers throughout 3. Flush to top of perfs

DISPOSAL WELL #1-3A2
BLUEBELL, DUCHESNE CO., UTAH
PAGE 2

Pumping Procedures: (continued)

Zone 3:

- 1. Pump 2100 gal acid w/ balls (70)
- 2. Pump 500 gal diversion
- 3. Pump 2100 gal acid w/ balls (45)
- 4. Flush to top of perfs

Note: Record ISIP for 15 mins.

- 5. Flow/swab back each zone 15-30 minutes after shut down. Haul dirty acid water away do not dispose of water into Chevron's System.
- 6. After acidizing each zone, POOH w/ all tools.
- 7. RIH w/ ret. pkr on tbg. Test tbg to 5000 psig while RIH. Displace annulus w/ 2% KCl water containing 1 drum Champion 228 corrosion inhibitor (or equivalent) & set pkr @ 2664'. Fill annulus to surface w/b.csel.
- 8. RD WOR & return well to injection.
- 9. Arrange for a temp/tracer survey to be run on this well within a few days after returning the well to injection.

•4

WELL NAME:_	SWD #1-3A2
	
FIELD:	Bluebell

PROPOSED TREATMENT PROCEDURE

- 1. Objective: Increase injectivity and to modify injection profile to inject more fluid without increasing injection pressure.
- 2. Size and type of treatment: 9,900 gals 15% HCL
- 3. Intervals to be treated: 3035-3053, 2967-2978, 2849-2905, 2803-2817, 2708-2749
- 4. Treatment down casing or tubing: Tubing
- 5. Method of localizing its effects: Benzoic acid flakes and ball sealers to be used as diverting agents.
- 6. Disposal of treating fluid: Spent acid to be swabbed back to a frac tank.
- 7. Name of company to do work: Dowell, Halliburton or Western
- 8. Anticipated additional surface disturbances: None
- 9. Estimated work date: December 1, 1981
- 10. Present status, current production and producing interval:

<u>Date</u> <u>BOPD</u> <u>MCFD</u> <u>BWPD</u>

10/81 3439 Injecting

FIF	ELD: Bluebell			
	•	PROPOSED PERFORA	TING PROCEDURE	
1.	Changes intended:	Increase perforat	ion density and ope	n new zones for injection
2.	Results anticipate	d: Increased injec	tion	
3.		which warrant suc si. Additional wat		jection is at the maximum pected.
4.	To be ripped or sh	ot: Shot		
5.	Depth, number and	size of shots (or	depth of rips): 2	shots/ft.
287 287 288 296	03-2817 49-2865 73-2883 89-2905 67-2978 35-3053			
	en e			•
			•	
6.	Date last Log of w	ell filed:		
7.	Anticipated additi	onal surface distu	rbances: None	
8.	Estimated work dat	e: August 25, 198	0	
	Present production	and status:		
9.				
9.	Date	BOPD	MCFD	BWP D

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v 9

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•		
?		
•	WEL	NAME: Water Disposal Well #1-3A2
a sessifi	FIE	D: Bluebell
		PROPOSED TREATMENT PROCEDURE
	1.	Objective: Increase disposal capacity
:	2.	Size and type of treatment: 10,000 gals 15% HCL
)	3.	Intervals to be treated: 2708-3053
	4.	Treatment down casing or tubing: Tubing
	5.	Method of localizing its effects: Ball sealers and benzoic acid flakes to be used as diverting agents.
	6.	Disposal of treating fluid: Spent acid will be swabbed back to flat tank.
	7.	Name of company to do work: Dowell, Halliburton or Western
	8.	Anticipated additional surface disturbances: None
•	9.	Estimated work date: 8/26/80
1	.0.	Present status, current production and producing interval:
		<u>Date</u> <u>BOPD</u> <u>MCFD</u> <u>BWPD</u>
		6/ % 0 2177 Injecting
		,

DEPARTMENT OF NATURAL RESOURCES



•	D	[5. LEASE DESIGNATION AND SERIAL NO.				
	SUNDRY NO not use this form for Use "AP	NOTICES AND REPO	ORTS Of	N WELLS k to a different reservoir.		FEE B. IF INDIAN, ALLOTTE	S OR TRIBE NAME
1. 011 W1		water Dispos	sal		7	. UNIT AGREEMENT N	AME
	ME OF OPERATOR					. FARM OR LEASE NA	M.B
	nevron U.S.A. Inc.					WATER DISPO	SAL
Ρ.	0. Box 599, Denve	r, CO 80201			"	1-3A2	
4. LO	CATION OF WELL (Report local also space 17 below.) surface	tion clearly and in accordance	with any Sta	te requirements.	1	0. FIELD AND FOOL, O	R WILDCAT
34	8' FSL & 315' FEL	(SESE)			1	1. SEC., T., R., M., OR I	BLE. AND
14. PE	BMIT NO.	15. BLEVATIONS (Show v				Sec. 3, T1S,	R2W USBLM
		KB 5935	whether DF, KT	GR, etc.)		2. COUNTY OR PARISH	
16.	Chad	- A	lt . N.	, N		chense	Utah
		Appropriate Box To Inc	licate Nati			2	
	 1			\$ U1		ESPORT OF:	
	ST WATER SHUT-OFF	PULL OR ALTER CASING MULTIPLE COMPLETE	-	WATER SHUT-OFF FRACTURE TREATMENT	VV	REPAIRING V	
	HOOT OR ACIDIZE	ABANDON®	-	SHOOTING OR ACIDIZING		ALTERING CA	
RE	PAIR WELL	CHANGE PLANS		(Other)			
	Other)			Completion or Rec	ombletto	nuitiple completion on Report and Log for	T77 \
	proposed work. If well is ditent to this work.).	D OPERATIONS (Clearly state all rectionally drilled, give subsurf	perfinent de face locations	fails, and give perfinent d and measured and true ve	ates, inci ertical de		e of starting any and zones perti-
						3-STATE 2-USGS	
1.	MIRU, ND TREE, N AND PKR.	U BOPE. POOH W/TBG	}			1-LRH	
2.	MAKE RUN W/BIT & CIRC. HOLE CLEAN	SCRAPER. C/O TO 31	.14'.			1-SEC 723 1-FILE	
3.	ACIDIZED PERFS: 2 SWBD BACK ACID.	2749-3053 W/9900 ga	.ls.				
4.	RIH W/PKR & SET (a 2663'.					
5.	ND BOPE NU TREE,	RIH & LAND TBG IN H	ANGER				
6.	TURN WELL OVER TO	PROD.					
		. 1					
18. I he	ereby certify that the foregov	g & Fue and correct					
SIG	NED UN I	Sex AN TITL	Engin	eering Asst.		DATE Janua:	ry 27, 1982
(Th	is space for Federal or State	office use)					
	DOVED BY		Æ			DATE	





WELL I	NAME	WATER	DISPOSAL	1-3A2
		75.5 m		
FIELD	NAME	BLUEBI	ELL	

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment:

9900 gals 15% HCL

2. Intervals treated:

3035-53, 2967-2978, 2849-2905,

2803-2817, 2708-2749

- 3. Treatment down casing or tubing: $_{\mathrm{TBG}}$
- 4. Methods used to localize effects: $_{\rm Ball\ Sealers}$ and Benzoic Acid Flakes
- 5. Disposal of treating fluid:

Spent acid SWBD to FRAC Tank.

- 6. Depth to which well was cleaned out: 3114'
- 7. Date of work:

12-1 & 2-81

- 8. Company who performed work:
- 9. Production interval:

3053-2749

10. Status and production before treatment:

<u>Date</u> 10-81 BOPD

MCFD

BWPD

3439 Injecting

11. Status and production after treatment:

Date

BOPD

MCFD

BWPD

12-81

1898

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(22 to 800)

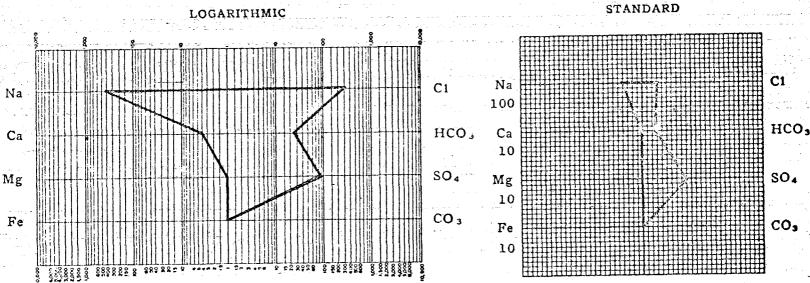
CHEM LAB

WATER ANALYSIS EXCHANGE REPORT

MEMBEROPERATOR WELL NO FIELD COUNTY STATE	Chevron Oil Comp Chevron Oil Comp Blanchard No. 1 Bluebell Duchesne Utah	any (33-3)	LOCATION FORMATION INTERVAL SAMPLE FROM_ DATE	NW SE 3-1 Green Riv 10,384 - Production May 13,	ver 10,410 on (4-25-68 1968	0
						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Cations Sodium Potassium - Lithium Calcium Magnesium - Iron	mg/1 10,750 110 87 8 absent Total Cations	meq/1 467.59 2.82 - 4.34 0.66	Anions Sulfate Chloride Carbonate Bicarbonate Hydroxide Hydrogen sulfid	Total Anions	mg/1 4,765 12,400 1,623 absent	meq/1 99.11 349.68 26.62 475.41
	solids, mg/1	28,919 26,179 7.9	Specific resistat Observe Calculat	ed	0.29	ohm-meters

WATER ANALYSIS PATTERNS

MEQ per unit



HOAL & GEOLOGICAL LABORATORIES

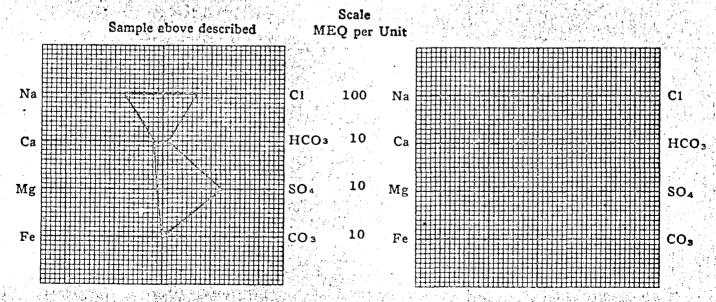
P. O. Box 279

Casper, Wyoming

WATER ANALYSIS REPORT

OPERATOR_	Chevron Oil Company	DATE January 8, 1968 LAB NO.	23938
WELL NO	1 Blanchard (33-3)	LOCATIONNW SE 3-1S-2W .	
FIELD	Bluebell (Cedarview Area)	FORMATION Duchesne River	
COUNTY	Duchesne		
STATE	Utah	SAMPLE FROM DST No. 1 (Bottom)	
REMARKS &	CONCLUSIONS: Clear water.		
	Recovered 100 feet m	ud; 2438 feet water.	
		<u>고스뿐</u> : 이 이 시작에 다른 회복, 선택하다는 말 및	internation of the con- traction of the con-
Cations Sodium Potassium - Lithium Calcium - Magnesium - Iron	mg/1 meq/1 19,816 861,94 50 1.28 389 19,41 147 12.08 absent -	Anions mg/1 Sulfate - 6,066 Chloride - 26,800 Carbonate - 781 Hydroxide - Hydrogen sulfide - absent	meq/1 126,17 755,76 - 12,81
	Total Cations 894.71	Total Anions	894.71
Total dissolved NaC1 equivalent Observed pH	t, mg/1 50,573	Specific resistance @ 68°F.: Observed 0.156 Calculated 0.154	_ ohm-meter

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and LI)

NOTE: Mg/1=Milligrams per liter Meq/1= Milligram equivalents per liter Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

FORM NO. DOGM-UIC-1

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 (801) 533-5771

(RULE I-5)

IN THE MATTER OF THE APPLICAT Chevron U.S.A. Inc.		_	CAUSE	NO		,
ADDRESS P. O. Box 599						
Denver, Colorado		NHANCE ISPOSAL		Y INJ. WELL		
	ORPORTATION	.	ISI OSAL	******		
OR ADMINISTRATIVE APPROVAL						
NJECT FLUID INTO THE SWD. 1-3		•				
SEC. 3 TWP. 1S Duchesne		•				
Ducheshe	COUNTY, UTAH					
		APPLICAT	ION			•
Comes now the applicant 1. That Rule 1 -5 (b) 6 are operations.	uthorizes administr	ative app	roval of		ecovery injecti	ons or dispose
2. That the applicant sub-		·			·	
	/ell No.	Field			County	
Water Disposal	1-3A2	<u>B1</u> ı	iebell	· · · · · · · · · · · · · · · · · · ·	Duchesne	
Location of Enhanced Recovery Injection or Disposal Well SE1, SE1,	Sec3_		Tv	vp. 1S	i	Rge. <u>2W</u>
New Well To Be Drilled Yes □ No ☑	Old Well To Be Conve			Casina Test	[™] No □ Date	
Depth-Base Lowest Known Fresh Water Within ½ Mile 1630 *	Does Injection Zone C Oil-Gas-Fresh Water \		• YES 🗆	NO ₺	State \	What
Location of Injection Source(s) Bluebell Fig	eld	Geologic No and Depth		·•1	er ± 9000' h ± 12,000	
Geologic Name of Injection Zone Lower Ducesne	River	Depth of In	ection 2708	to 3053		
a. Top of the Perforated Interval:	b. Base of Fresh 1630		c. In	tervening Thic L078	kness (a minus b))
Is the intervening thickness sufficient to sl without additional data?		protected YES	NO			
Lithology of Intervening Zones Sand,	Shale					
Injection Rates and Pressures			000			
	Maximum		3800 1500		B/D	
					PSI	
The Names and Addresses of Those To Wh	iom Copies of This Appl	ication and A	\ttachmen	ts Have Been S	ent	
			_			
· · · · · · · · · · · · · · · · · · ·	·		···			
						
ate of <u>Colorado</u>)	\mathcal{L}	Keller	of - Cheer	con U.S.A. I	nc. 4/25/0
•		_		App	olicant	
Before me, the undersigned authority,	on this day personally	anneared	R. N	12861	OTT	
own to me to be the person whose name thorized to make the above report and th	is subscribed to the abo	ve instrume	nt, who be	ing by me duly	sworn on eath st	ates, that he is di
Suscribed and sworn to before me					,	
		/	11-	0	11	

(OVER)

My business address is:

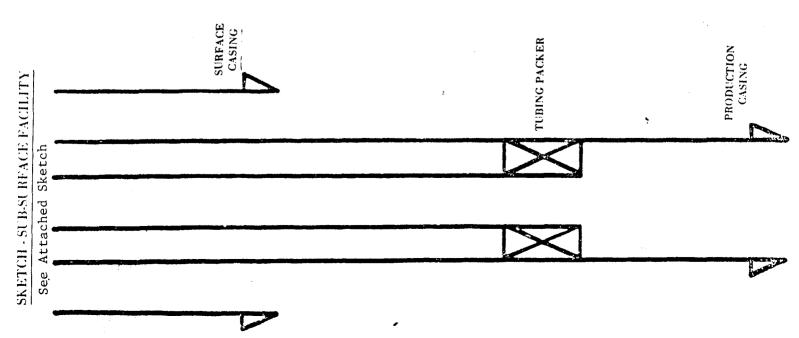
My commission expires address is:

Denver, CO 80222

- 1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
 - 2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
- 3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within ½ mile, together and with name of operator.
- 4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
 - 5. Attach Electric or Radioactivity Log of Subject well (if released).
- 6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
- 8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within ½ mile of injection well.
- 9. Affidavit of mailing or delivery shall be filed not later than five days after the application is
- 10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
- 11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
- 12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

NAME OF STRI	NG SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY	
Surface	13-3/8"	104'	145	Surface	Returns	
Intermediate						
Production	9-5/8"	3150'	1850	200'	CBL	
Tubing	2-7/8"	2604'	Baker Loc-S	of Tubing Packer 1602		
Total Depth 3150'	Geologic Name - Ir Lower Duchesne		oth - Top of Inj. II 2708 '		h - Base of Inj. Interval 3053'	



PACKERS SET DEPTH _____

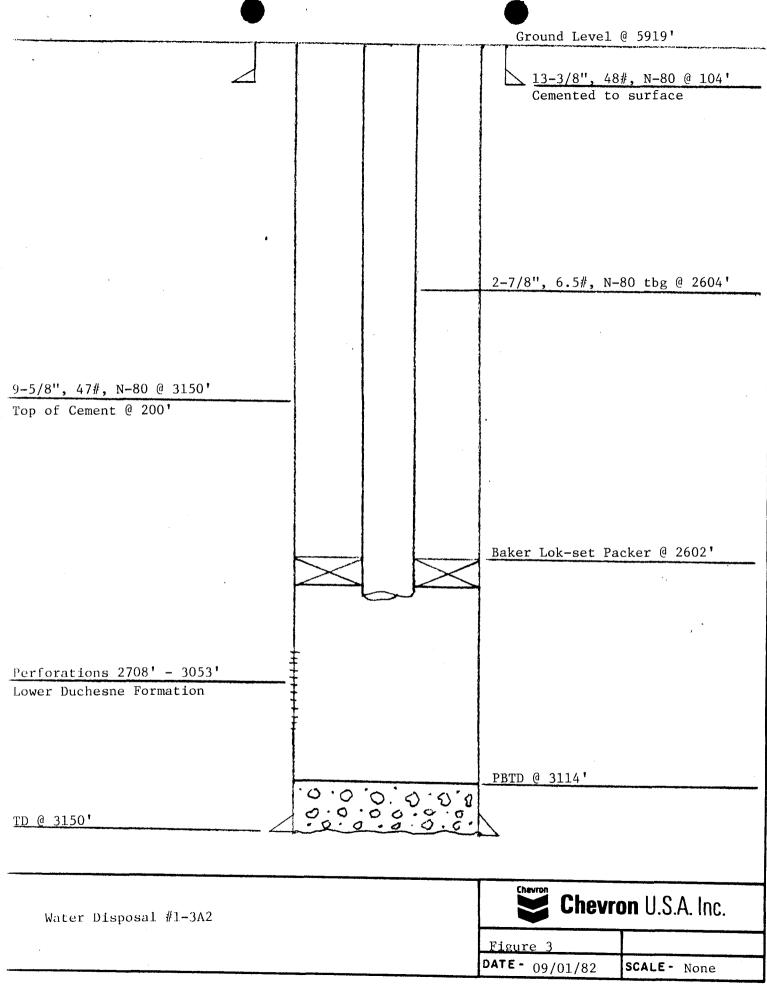
2701'

נטן ביו שוטאן	7	/= 1 <i>6</i> :1 1		e				1 COM	reenon & fest Datable	RODUCINO I UNIMITOR	•
F. Dim				ays after drill			COUNTY LEASE NO.		1	2	3
1019411			DIVISION OF C	RAL RESOUR DIL, GAS, AND A State Office Buil	AINING	NERGY	LEASE NO.	FORMATION	Duchesne River		
API NO			Salt Lake	City, Utah 8411	4		- 0	SPACING & SPACING			
	N N						5 RGE. 2W	ORDER NO.			
		+-	OFFICE ADDRI	PERATING <u>Ch</u>	Box 59	9	•	CLASSIFICATION (Oil; Gas; Dry; Inj. Well)	Disposal Well		-
							0 80201	PERFORATED	3035-3053	2803-2817	
*				Water Di			SHED 9/24 1969		2967-2978		
							APLETED	INTERVALS			
				o <u>SE v. S</u>					2889-2905		
	└ ┈ ┸┈┞┈╂┈	1 47 1					r. FROM WL OF ¼ SEC.	***************************************	2849-2865		
Locate	Well Correctly Dutline Lesse		ELEVATION D	ERRICK FLOOR	5939 '	GRO	5919' day	ACIDIZED?			
TYPE COM	APLETION						,				
Single Zor	ne	X	Order i	No				FRACTURE TREATED?			
				No							↓
•				No			•				
LOCATION EX	CEPTION		Order I	No		P•	nalty	INITIAL TEST DATA	·		
			OIL O	GAS ZONES	***************************************			Date			
N	ame	From	To		Name		From To	Oil. bbl./day			
								Oil Gravity			
								Gas. Cu. Ft./day	CF	CF	
								Gas-Oil Ratio Cu. Ft./Bbl.			
								Water-Bbl./day			
			CASIN	G & CEMENT	·· ···································			Pumping or Flowing			
	Cas	ing Set		Csg. Test		Cem	ent	CHOKE SIZE			
Size	Wgt	Grade	Feet	Psi	Sax	Fillop	Тор	FLOW TUBING PRESSURE			•
13-3/8	48#	J - 55	104		145		Surface	A record of the formation	ns drilled through, and per (use reverse)		ted on the reverse.
9-5/8	<u>47#</u>	N-80	3150	3000	1850		200'	I, the undersigned, being first			rue, correct and comple
								according to the records of this	office and to the best of m	y knowledge and belief.	
		ļ						Telephone	Name a	nd title of representative	of company

TOTAL DEPTH 3150'

__ day of _

Subscribed and sworn before me this ___



A DIVISION OF BIG THREE INDUSTRIES INC. P.O. BOX 472 • VERNAL, UTAH 84076 • (801) 789-8810

WATER ANALYSIS

Chevron	SAMPLE	NO.SWD #1	DATE SAMPLI	10/5/82	DATE	REPORTED_1	0/7/82
Bluebell 3	OUNTY/PARISH	Bluebell		STATE U	tah		
Green River				J			
OF WATER Formation					ad		
-LIFE BY Carl Johns							
			1		- 3		
e	*****	*** *** * **	* * * * * * * * *	* * * *			٠, ٠
		DISSOLVE	SOLIDS				
CATIONS					ANION	<u>s</u>	
SODIUM AND POTASSIUM	2600	ppm		CHLORIDE		4244	ppm
MUIUM	121.6	ppm		SULFATE		100-200	nga
ACNESIUM	340.2	_ppm		CARBONATE		6.4	maga
PA HI UM		DDW		BICARBONATE		1464	ppm
ETHONIIUM	_	ppm		SULFIDE		Good Trac	e ppm
RON (TOTAL)	0	_ppm					
	TOTAL	HARDNESS		1704 ppm ,			
T	OTAL DISSOLVEI			3926 ррж			
	*****	*****	* * * * * * * * * *	* * * *		•	
		OTHER PR	OPERTIES				
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CHEMICAL & GEOLOGICAL LABORATORIES

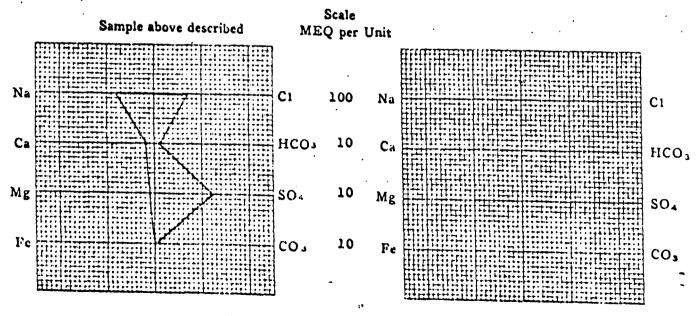
P. O. Box 279

Casper, Wyoming

WATER ANALYSIS REPORT

WELL NO 1 B	vron Oil Company lanchard (33-3) ebell (Cedarview hesne		DATE January 8, 1968 LAB NO 23938 LOCATION NW SE 3-1S-2W FORMATION Duchesne River INTERVAL 2735 - 2815 SAMPLE FROM DST No. 1 (Bottom)
REMARKS & CONCI	LUSIONS: Clear v		2438 feet water.
Cations Sodium	mg/1 - 19,816 - 50 - 389 - 147 - absent	meq/1 861,94 1,28 - 19,41 12.08 - 891.71	Aniona meq/1 meq/1 Sulfate 6,066 126,17 Chloride 26,800 755,76 Carbonate - - Bicarbonate 781 12,81 Hydroxide - - Hydrogen sulfide absent - Total Anions 894,71
Total dissolved solids, ; NaC1 equivalent, mg/; Observed pH	—··	53,653 50,573 7.4	Specific resistance @ 08°F.: Observed

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li) SOTE: Mg/1:: Milligrams per liter Meq/1:: Milligram equivalents per liter Sodium chloride equivalent = by Dunlap & Hawthoine calculation from components

024

SALT WATER DISPOSAL #1-3A2 1S-2W-3 DUCHESNE COUNTY, UTAH

APPLICATION INFORMATION

Below is the required data needed as outlined in Rule I-5 of Cause No. 190-3.

Rule I-5

- A. Form DOGM-UIC-1 has been completed
- B. 1. The necessary plat is given in Figures 1 and 2.
 - 2. Form DOGM-UIC-2 has been completed.
 - 3. i, ii, iii, iv, v. A schematic diagram of the well is given in Figure 3.
 - vi. The cement bond log indicates a good bond.
 - vii. S.W.D. #1-3A2 was drilled as a straight hole. Therefore, bottom hole location is given as approximately surface location.
 - 4. The distance between the top of the disposal zone and the fresh water zone is approximately 1,078 feet. Therefore, there should be no danger of fracturing through the confining strata and contaminating the fresh water zone.
 - 5. i. The maximum injection pressure and rate expected are 1,500 psi and 3,800 BWPD. The injection system is designed with a safety shut-off gauge which will shut down the pump if the pressure exceeds 1,600 psi.
 - ii. The source of the injection water is from the Wasatch (+12,000 feet) and the Green River (+9,000 feet) Formations in the area of Township 1S, Range 2W, Duchesne County, Utah.
 - iii. A chemical analysis of water to be injected is given in Figure 4.
 - iv. The injection zone is the Lower Duchesne River Formation which is made up of shaly sandstone. The injection zone is from 2,708 feet to 3,053 feet deep and has an approximate lateral extent of 25 square miles. The confining zone is made up of sandy shale with an approximate lateral extent of 50 square miles.

SALT WATER DISPOSAL #1-3A2 1S-2W-3 DUCHESNE COUNTY, UTAH Page 2

- v. The Upper Duchesne River Formation contains fresh water which extends from the surface to approximately 1,630 feet deep.
- vi. The analysis of injection formation water is given in Figure 5.
- 6. In the case of a well failure, the well will be shut-in and repaired as the situation warrants.
- 7. No formation testing program was done on this well.
- 8. The casing/tubing annulus was pressure tested to a 1,000 psi on 11/4/82.

The above information should satisfy the requirements for the approval of Chevron's Salt Water Disposal #1-3A2 as a Class II injection well.

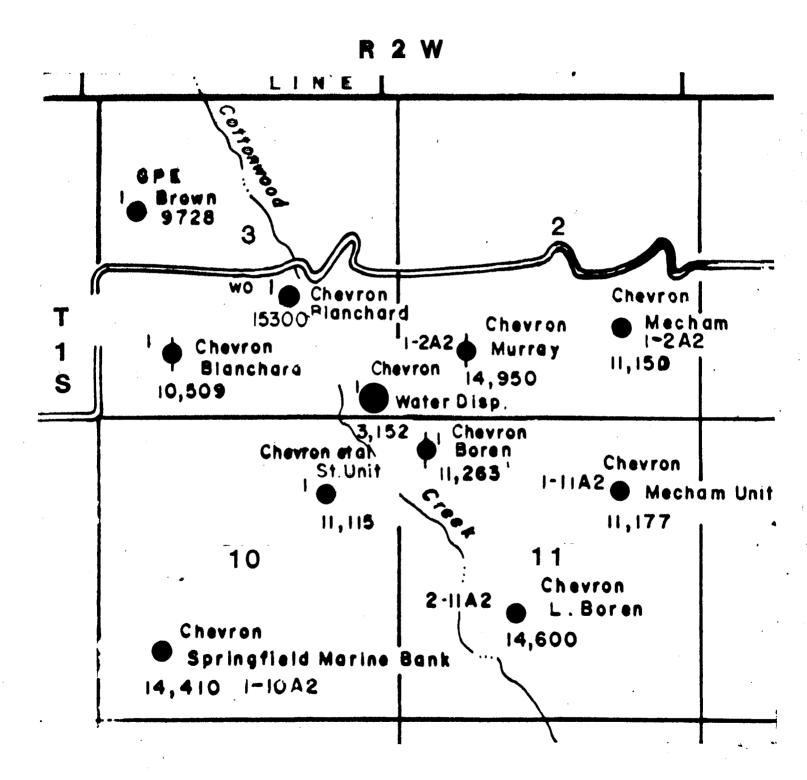
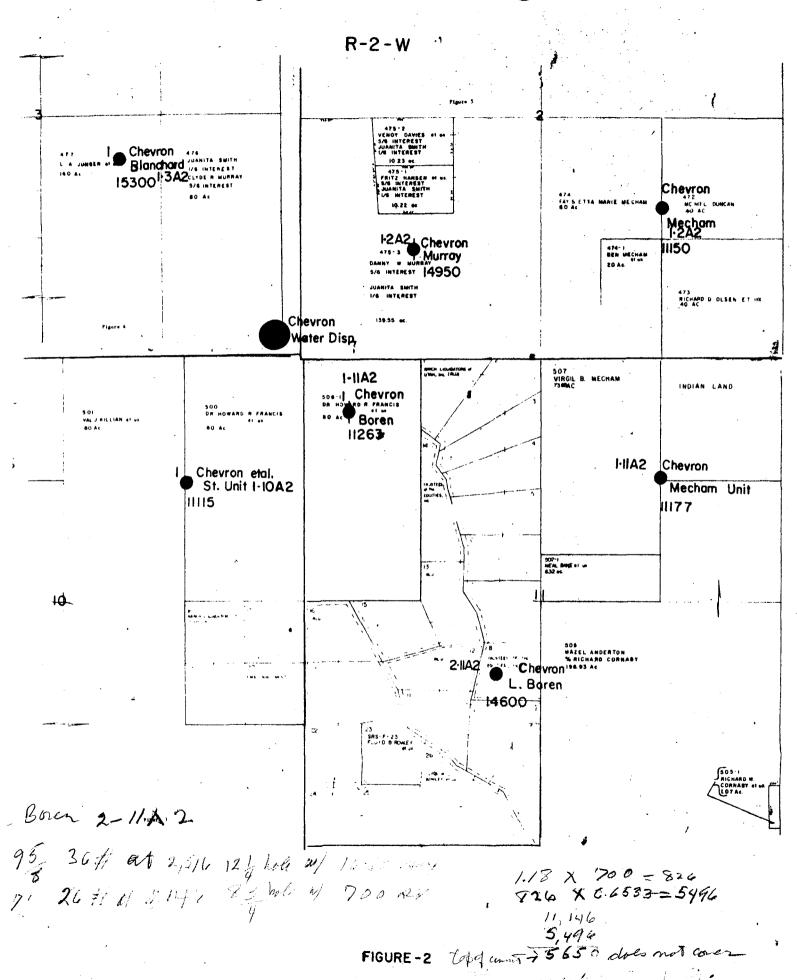


Figure 1



CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW * * * * * *

Operator: Chemon	Well No. 5W D	1-3A2
County: Duchone T 16 R	2W Sec. 3 AP:	[#43-013-30021
New Well X Conversion Disposal	Well <u>Linhanced</u>	Recovery Well
		YES NO
UIC Forms Completed		
Plat including Surface Owners, and wells of available record		
Schematic Diagram		Limina
Fracture Information		
Pressure and Rate Control		
Adequate Geologic Information		
Fluid Source		Guerria wasaid
Analysis of Injection Fluid	YesN	ο TDS <u>δ92</u> 6
Analysis of Water in Formation to be injected into	Yes N	TDS 63,453
Known USDW in area	Oncharge from	Depth <u>1630</u>
Number of wells in area of revi	Lew Prod	. <u>5</u> P&A
	Wate	r Inj
Aquifer Exemption	Yes	NA
Mechanical Integrity Test	YesN	0
		12 Type 1000 PSV 10# P
Comments: Japan Comment 200	1 Allen 315	0

Reviewed by:

Lease:Fee Well #:1-3A2

API #: 43-013-30021-

Location: Sec 3 Twn 1S Rng 2W

County: Duchesne

State: Utah Field: Bluebell

Spud Date: 09/18/1969

KB: 5935 TD: 3150

Comp Date: 10/11/1969 ELEV: 5919 PBTD: 3114 Operator: Pennzoil Start Length Description 17.500 Hole: End Ø.Ø 102.1 102.1 Cement: 145 sxs Type G with 3% CaCl Ø. Ø 102.1 1Ø2.1 13.375 Casing: 48# Ø.Ø 102.1 102.1 32Ø-64Ø-96Ø-128Ø-Formation: Base Mod. Sal. Wtr. Ø.Ø 1420.0 1420.0 16ØØ-192Ø-224Ø-9,625 Packer: Baker lok-set 2663.Ø 2668.Ø 256Ø-2.875 Tubing: 6.5# N-8Ø Ø. Ø 27<u>Ø3.1</u> <u>27Ø3. 1</u> Perf: 2 shots/foot, 103 levels, 242 27Ø8. Ø 345.0 holes 3Ø53.Ø Formation: Duchesne River Ø.Ø 3Ø8Ø.Ø 3080.0 1Ø2.1 12.250 Hole: 288Ø-<u> 3</u>Ø47. 9 <u>3150. Ø</u> Cement: 1750 sxs 50/50 Pozmix 2% Ø.Ø 3150.0 Gel, 1% TIC & 1/4 #/sx flosal, tailed 315Ø.<u>Ø</u> Ø. Ø 9.625 Casing: 47# N-8Ø 315Ø.Ø 315Ø.Ø 3Ø8Ø. Ø Formation: Uinta 7Ø. Ø 315Ø.Ø

Form UIC 10 August, 1982

STATE OF UTAH DIVISION OF OIL, GAS AND MINING 4241 State Office Building Salt Lake City, Utah 84114

WELL INTEGRITY REPORT

Date /// 4 /8 2
Water Disposal Well X Enhanced Recovery Well Other
DOGM/UIC Cause Number
Company Chevron U.S.A., Inc.
Address 700 Sowth Colorado Blvd.
City and State Denver, Colorado Zip Code 80201
Lease Name or Number Well Name or Number #1144-34 //-342
API Well Number 43-013-30021 Location 1/4 of 1/4 of
Section 3 Township 1 S Range 2 W County Duchesne
Present at Completion: Yes X No
Casing Tested in My Presence: X Yes No Pressure DDD PSI DD Minutes
Packer Tested in My Presence: Yes No Pressure 1000 PSI 10 Minutes
Surface-Prod. Csg. Annulus PSI Prod. CsgTubing Annulus_/800 PSI
Disposed/Injected Water Sample Taken: Yes No (Attach water analysis when obtained)
This well seems to be completed in accordance with DOGM Rule I: Yes X No . If NO, write report.
Not inject at true of test.
I hereby certify that this report is true and complete to the best of my knowledge.
Name of Operator Chevron U.S.A. Inc
(Signature) (Title) Field Engineer

101 (C. 18 1982 Nov. 6 8 1982

DIVISION OF Chevron U.S.A. Inc., Bluebell Field. Dispusal well annulus pressure tests run November 4, 1982

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Chevron U.S.A. Inc., Bluebell Field. Dispusol well annulus pressure tests run November 4, 1982

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Chevron U.S.A. Inc., Bluebell Field. Dispusal well annulus pressure tests run November 4, 1982

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PENNZOIL EXPLORATION AND PRODUCTION COMPANY

P.O. DRAWER 1139 • DENVER, COLORADO 80201-1139 • (303) 832-6060

December 23, 1985

RECEIVED

State of Utah Division of Oil, Gas and Mining Room 4241 State Office Building Salt Lake City, UT 84114 DEC 26 1985

DIVISION OF OIL

GAS & MINING

Attn: Gil Hunt

Dot Notice of Twomate

Notice of Transfer of Ownership

Disposal Wells

Bluebell/Altamont Area Duchesne County, Utah

Gentlemen:

Please find attached copies of those certain Transfers of Ownership affecting the following disposal wells which Pennzoil has recently purchased from Chevron, U.S.A. Inc.

- A) SWD 2-26A2 43-013-3039 ? 26-1S-2W
- E) SWD 1-3A2 43-013-30021 3-15-2W
- B) SWD 2-17C5 -43-D13-30598 17-3S-5W
- F) SWD 1-11A2 4ラーション・ネルタンプ 11-1S-2W
- C) SWD 3-31A3 43-013 うつさしぎ 31-1S-3W
- G) SWD 2-28A2 43-03- 300円に 28-15-2W
- D) SWD 2-10B1-43-013-うの367 10-2S-1W

As indicated on the attached materials, the Order No. Authorizing Injection has been left blank affecting the SWD 2-26A2, SWD 2-17C5, and the SWD 2-28A2 wells, due to the fact that same could not be found during our initial review of Chevron's records.

If you should have any questions, please do not hesitate to contact this office.

Sincerely,

PENNZOIL COMPANY

Robert E. Burton, Jr. Land Project Supervisor

REB/cm

Attachments

FORM NO. DOGM-UIC-7

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING Room 4241 State Office Building Salt Lake City, Utah 84114

RECEIVED

DEC 26 1985

RULE 1-9

GAS & MINING

NOTICE	OF	TRANSFER	OF	OWNERSHIP	

Classification of Well Transfe	red: Disposal Wel	l 🗷	Enhanced Recovery Injection Well
Name of Present Operator	Chevron U.S.A. Inc.		
Address	700 South Colorado Bo	oulevard	
	Denver, Colorado 8022	22	
Well Being Transferred:			
Name: SWD #1-3A2 (Sa.	lt Water Disposal)		
Location: Sec3Tw	p. <u>1S</u> Rng. <u>2W</u>	County _	Duchesne ·
Order No. Authorizing Injectio	nUIC 190-3		Date April 20, 1983
Zone Injected Into:Duche	esne River-Uinta Format	ion	
Effective Date of Transfer	December 2, 1985		
		Signature	Donlad De 2 1985
Tame of New Operator			
Address	700 Milam, Houston, Te	xas 77002	
	· .		of New Operator -2 - 8 5
is the new operator of continue to inject	y the Division of Oil, Gas, as of the above-named well an fluids as authorized by Ordentil after Notice, Hearing, and	d may: 190	2-3



A Procter & Gamble Co.

P.O. BOX 1898 OFFICE: 214/872-3011 CORSICANA, TEXAS 75110

PLANT: 214/874-3706 (U.S.): 800/527-2510

TWX: 910/860-5100 (TX.) 800/442-6261

WATER ANALYSIS REPORT

COMPANY	Pennzoil Co	ompany	· . · · · · · · · · · · · · · · · · · ·	ADDRESS	Neo	la, UT.	D/	ATE:	3-27-87
SOURCE	Salt Water	Disposal 1-		DATE SAME	PLED 3-26	-87	_ ANALYSIS	NO	
	An.	alysis	1 300 5		M	g/l (ppm)	•		*Meq/I
1. PH		8.2		-					
2. H₂S (Qua	ilitative)	41							
3. Specific	Gravity	1.003							
4. Dissolved	i Solids			_					
5. Suspend	ed Solids			_					
6. Anaerobi	c Bacterial Co	unt		С/МІ					
7. Methyl O	range Alkalinity	y (CaCO ₃)			1,200				
8. Bicarbon	ate (HCO₃)			HCO ₃ _	1,464		÷61	24	нсо
9. Chloride:	s (CI)			CI_	3 , 540		÷35.5	100	
0. Sulfates	(SO ₄)			SO4_	1,500		÷48	31	so
1. Calcium	(Ca)			Ca_	36		÷20	2	с
2. Magnesiu	ım (Mg)			Mg_	0		÷12.2	0	M
3. Total Ha	rdness (CaCO ₃	a)		_	75 			,	
4. Total Iro	n (Fe)				•7				
5. Barium (Qualitative)								
6. Phospha		•							
'Milli equivalents per	titer								
			PROBABL		L COMPOSIT				
•					mpound (HCO ₃) ₂	Equiv. Wt.) 81.04	K Meq/1		Mg/I 162
	Ca +	нс	o,	l	SO ₄	68.07			······································
2			24	1	Cl ₂	55.50			
0	Mg	sc	31	•	(HCO ₃) ₂	73.17			
	g		"		(HCO3)2 SO4	60.19			
154	Na -	· · · · · ·	ci 100) [•			
		D1-400-d 346-			ICI2	47.62	22		1,848
	tion Values	Distilled Wa	iter 20°C		HCO3	84.00	31	 ·	2,202
Ca CO:		13 Mg/l			2SO4	71.03	100		5,846
	. • 2H₂O	2,090 Mg/l		Na	CI	58.46			-,010
Mg CO	3	103 Mg/l					•		



Norman H. Bangerter, Governor Dee C. Hansen, Executive Director Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 15, 1987

Pennzoil Post Office Box 290 Neola, Utah 84053

Gentlemen:

Re: Testing of Water Disposal Wells for Mechanical Integrity

The Underground Injection Control (UIC) program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires all Class II injection wells demonstrate mechanical integrity. It has been policy of the Division to require pressure testing of all water disposal wells in accordance with Rule R615-5-3.1, Oil and Gas Conservation General Rules. This rule requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 200 psi. This test shall be performed at least every five year period beginning October, 1982.

Our records indicate that several of Pennzoil's water disposal wells are due for the second five-year mechanical integrity test. The Division is also requiring a radioactive tracer survey be run on the older disposal wells which are due for the second five-year test. The Division would like to schedule the pressure tests on the wells listed below for the week of November 9, 1987.

Previous Test	<u>Well</u>	<u>Township</u>	Range	Section
6-23-83	2-17C5 1-3A2	3 South 1 South	5 West 2 West	17 / 3.
11-4-82 6-23-83	1-3A2 2-26A2 (optional)	1 South	2 West	26
6-23-83	2-28A2 (optional)	1 South	2 West	28
11-4-82	2-10Bl 1-11A2 (optional)	2 South 1 South	l West 2 West	10 11

The wells marked optional were tested more recently than the others. However, if Pennzoil desires, they could all be tested at this time and therefore be on similar testing schedules for the future. The results of the tracer surveys shall be sent to the Division within six months after the pressure tests are performed.

Page 2 Pennzoil October 15, 1987

Pennzoil shall furnish connections, accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to open valves etc.

Please contact the undersigned to arrange a meeting time and place or discuss options if this plan is unacceptable to you.

Sincerely,

Gil Hunt

UIC Program Manager

mfp 0298U/24

STATE OF UTAH

JUN 13 1988

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NO. DIVISION OF OIL, GAS, AND MINING ULVISION OF 6. IF INDIAN, ALLOTTEE OR TRIBE NAME ENTITIES & CAG SUNDRY NOTICES AND REPORTS ON WELL'S (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT--" for such proposals.) 7. UNIT AGREEMENT NAME OUL GAS WELL OTHER S. FARM OR LEASE NAME 2. NAME OF OPERATOR Pennzoil Company Utah Acct. # N0705 See Attached List S. ADDRESS OF OPERATOR O WELL NO. P.O. Box 2967 Houston, TX 77252-2967 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface 10. FIELD AND POOL, OR WILDCAT Rluebell/Altamont
11. SEC., T., E., M., OR BLE. AND
SURVEY OR AREA See Attached List of Wells Duchesne & Utal 14. API NUMBER 15. BLEVATIONS (Show whether DF, RT, GR, etc.) Utah Uintah 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: REPAIRING WELL PULL OR ALTER CASING WATER SHUT-OFF TEST WATER SHUT-OFF ALTERING CASING FRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT SHOOTING OR ACIDIZING *THE MINOUINER ABANDON* SHOOT OR ACIDIZE REPAIR WELL CHANGE PLANS (Note: Report results of multiple completion on Weil Completion or Recompletion Report and Log form.) Operator Name Change (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Change of operator name from Pennzoil Company to Pennzoil Exploration & Production Company, effective June 1, 1988. See Attached List of wells OIL AND GAS RJF DRN GLH **JRB** SLS DTS TA5) - MICROFILM S-FILE

18.	I hereby certify that the foregoing is true and correct SIGNED way . San felippo	TITLE Western Div. Production Mgr	· DATE <u>G-9-88</u>
-000	(This space for Federal or State office use)		
	APPROVED BY	TITLE	DATE

V

SUNDRY NOTICE OF NAME HANGE EXHIBIT A

ENTITY NUMBER	LEASE NAME	LEGAL DESC.	API #	REMARKS	
	HAMBLIN 2-26A2 SWD SWD 1-3A2 SWD 4-11A2 SWD 3-31A3 SWD 2-10B1	1S 2W 26 1S 2W 3 1S 2W 11 1S 3W 31 2S 1W 10	4301399993 4301399997 4301399994 4301399995 4301399996	SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL	43-013-30389 WSTC 43-013-30021 UNTA 43-013-20255 GRAV 43-013-30368 KNTA 43-013-30367 UNTA
	Bonen 4-15A2	152015	43-013-3118(lo-Drl. (conf.)	192013-00-00 1 4444
,	Reynolds 2-7BIE	25 IE 7	43-047-318	40-Drl. (conf.)	

STATE OF UTAH

JUN 13 1988

DEPARTMENT OF NATURAL RESOURCES

JUN 13

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.) OIL GAS GIVINING OIL GAS WELL OTHER L NAME OF OPERATOR DONN TO FILE COMPANY. Little Accept M. NOTOE	6. IF INDIAN, ALLOTTER OR TRIBE NAME 7. UNIT AGREEMENT NAME	
OIL GAS OTHER	7 UNIT AGREEMENT NAME	
, NAME OF OPERATOR		
Pennzoil Company Utah Acct. # N0705	8. FARM OR LEAGE WAMB See Attached List	
P.O. Box 2967 Houston, TX 77252-2967	9. WELL NO.	
. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See Attached List of Wells	Rluehell/Altamont 11. sec., T., E., M., of str. AND survey or area.	
4. AP! NUMBER 15. BLEVATIONS (Show whether DF, BT, GR, etc.)	12. COUNTY OR PARISH 18. STATE Duchesne & Utah Uintah	
Check Appropriate Box To Indicate Nature of Notice, Report, or O		
7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical neat to this work.)* Change of operator name from Pennzoil Company to Pennzoi Production Company, effective June 1, 1988.		
JRB DTS	GLH SLS MICROFILM FILE	
18. I hereby certify that the foregoing is true and correct SIGNED		

SUNDRY NOTICE OF NAME HANGE

ENTITY NUMBER	LEASE NAME	LEGAL DESC.	API #	REMARKS	2
,	HAMBLIN 2-26A2 SWD SWD 1-3A2 SWD 4-11A2 SWD 3-31A3 SWD 2-10B1	1S 2W 26 1S 2W 3 1S 2W 11 1S 3W 31 2S 1W 10	4301399993 4301399997 4301399994 4301399995 4301399996	SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL SALT WATER DISPOSAL WELL	43-013-30389 WSTC 43-013-30021 UNTA 43-013-20255 GREV 43-013-30368 UNTA 43-013-30367 UNTA
. 1	Boren 4-15A2	152015	43-013-31181	6 - Drl. (conf.)	<i>(</i>)-0.10 = 1.11
ι	Reynolds 2-7BIE	25 IE 7	43-047-318	40-Drl. (conf.)	

Mechanical Integrity Test Casing/Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

			· · · · · · · · · · · · · · · · · · ·			Time <u>7:5</u>	<u>s</u> (m/1
	est conducte					NS (HOT OIL SER	evice)
<i></i>	Lueis biesen	it: <u>Jess ou</u>	CCM 6 (PAV	10201C) A100	<u> </u>	TO (NOT ONE SEX	
	Well name _	SWD. 1-31	92 43-013	3-30021-WO	ω EPA N	Tumber <u>ur o</u>	2722
	Field name					•	
	Location _			Section	; <u>/S</u> To	wnship; 20	<u>∤√</u> Range
	Owner/Opera		_,	*			
	· .						
	Time	Test #1		Test #2		Test #3	
	0 min	550	psig		_ psig		_ psig
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	10	535	-		-		
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	25	515	'. •		- '		-
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See back of page for any additional comments & compliance followup.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VIII, 999 18TH STREET - SUITE 500 DENVER, COLORADO 80202-2405

No alternative and a second of the second of

Date: 7/15/92 Hour:	Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300f et seq.).
	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Firm Name: Tennsoil Exploration & Troduction Co.

Firm Address: P.O Box 290, Neola, UT BBO 84053

REASON FOR INSPECTION: Witness MIT's (4)

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable condition of permit or rule authorization.

SECTION 1445(b) of the SAFE DRINKING WATER ACT is quoted below:

Section 1445(b)(1): Except as provided in Paragraph (2), the Administrator, or representatives of the Administrator designated by him, upon presenting appropriate credentials, and a written notice to any supplier of water or other person subject to (a), or person subject (A) a national primary drinking water regulation prescribed under Section 1412(B) an applicable Underground Injection Control Program, or (C) any requirement to monitor an unregulated contaminant pursuant to subsection (a), or person in charge of any of the property of such supplier or other person referred to in clause (A), (B), or (C), is authorized to enter any establishment, ... facility, or other property of such supplier or other person in order to determine whether such supplier or other person has acted or is acting in compliance with this title, including for this purpose, inspection, at reasonable times, of records, files, papers, processes, controls, and facilities, or in order to test any feature of a public water system, sincluding its raw water The Administrator or the Comptroller General (or any representative designated by either) shall have access for the purpose of audit and examination to any records, reports, or information of a grantee which are required to be maintained under subsection (a) or which are pertinent to any financial assistance under this title.

Auch Williams | John Carson Inspector's Name & Title (Print)

Inspector's Signature



Michael O. Leavitt Governor Ted Stewart Executive Director James W. Carter 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340 801-359-3940 (Fax)

James W. Carter
Division Director
801-359-3940 (Fax)
801-538-5319 (TDD)

June 30, 1994

Pennzoil P.O. Box 290 Neola, Utah 84053

Re: <u>Pressure Test for Mechanical Integrity, Boran Fee 4-11A2, SWD 1-3A2 and the 3-31A3, Injection Wells, Located in Duchesne County, Utah</u>

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced wells are due for testing. Please make arrangements and ready the well for testing during the week of July 18, 1994 as outlined below:

- 1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
- 2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
- 3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.



- 4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
- 5. All bradenhead valves with exception of the tubing on the injection wells must be shut in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5340 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,

Gil Hunt

UIC Program Manager

ldc Attachment WOI52



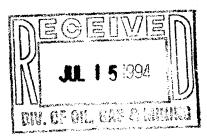
Michael O. Lenvitt Governor Ted Stewart Executive Director James W. Carter

355 West North Temple 3 Triad Conter, Sulte 350 Salt Lake City, Utah 84180-1203 801-538-5340 801-359-3940 (Fax) Division Director 801-538-5319 (TDD)



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Sincerely,

Gil Hunt

UIC Program Manager

ldc Attachment WOI52



Interoffice correspondence

July 13, 1994

TO:

File

FROM:

Jess Dullnig

SUBJECT:

State of Utah -

Department of Natural Resources, Division of Oil, Gas & Mining

Mechanical Integrity Testing of Pennzoil's SWD wells

On 6-30-94, the State of Utah sent Pennzoil a letter requesting that we schedule Mechanical Integrity Tests (annular pressure tests) at three of our company operated SWD wells in the Bluebell-Altamont Field. A copy of the letter is attached. The three wells is question are listed below:

SWD 1-3A2 SWD 4-11A2 SWD 3-31A**2**3 30368

On 7-13-94, I phoned the State representative, Dan Jarvis, and reminded him that successful Mechanical Integrity Tests were conducted at all three wells in July of 1992 as per EPA requirements. He said the State would accept the EPAs results and would not require new tests at this time. I thanked Dan and mailed him copies of the EPA tests on 7-13-94.

pc Joel Pettit - Pennzoil, Neola, Utah

Dan Jarvis - State of Utah, Salt Lake City, Utah

JUL 15

Jers Velling

STATE OF UTAH

Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801

INJECTION WELL - PRESSURE TEST

	/		2
Test Date:	Well Owner/Operator:	ENNZal (om)	PANY
Disposal Well:	Enhanced Recovery Well:	Other:	
API No.: 43- <u>613-3002</u>	Well Name/Number: <u>Plue</u>	BELL SWD#1-3	BAZ
Section:	Township: //S	Range: 🜙 🔑	
Initial Conditions:			
Tubing - Rate:	Pressure:	748 psi	
Casing/Tubing Annulus	- Pressure:O	psi	
Conditions During Test:			
Time (Minutes)	Annulus Pressure	Tubing Pressure	2
0 5	<u>950</u> 951	680	_
10 15	943	680	
20	933	630	
25 30	916	680 680	<u>.</u>
Results: Pass/Fail	1 30	_800	_
Conditions After Test:	100		
Tubing Pressure:	680 psi		
Casing/Tubing Annulus I	Pressure: 919 ps	i	
REMARKS: Justul w/	. ,	Il Pamp truck o	
Surface leads	- trouble GA	ETTING Starter	<i>o.</i>
TESTED TWICE;	tubing Prassure	way 680psI or	Startof
Second test.	•		
Jes Gulle	<i>'</i>	Vinno Ingra	<u></u>
Operator Representative	' DOC	GM Witness	

Mechanical Integrity Test Casing or Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

TDN Witness	1015		Da	- 1 1 (- 19)	7 Time 10:0	20 (3m)/r
EPA Witness:_ Test conducts		<12 SOULL			****	<u></u>
Others preser						osm)
Officia bieser		Delhig	(// // /	ynum	
Well: SW	0 1-3AZ	43-013-3	30021	Well ID: UT	2666-02722	
Field: BLC	LEBELL	•		Company: PE	VNZOIL	
Well Locat:	ion: sec 8, 7	TIS, RZW IE CO, UT		Address: P.O	. DRAWER 10 SEVELT, UT 84	066
	Dactics		·			
Time	Test #1		Test #2		Test #3	
0 min	1057	_ psig	950	psig		psig
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. 15	SURF VALVE L	EAK	952			•
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Signature of See back of 1	EPA Witness Dage for ar	: ıy additio	nal comn	ients & coi	mpliance foi	llowup.

Well SWD /-3AZ

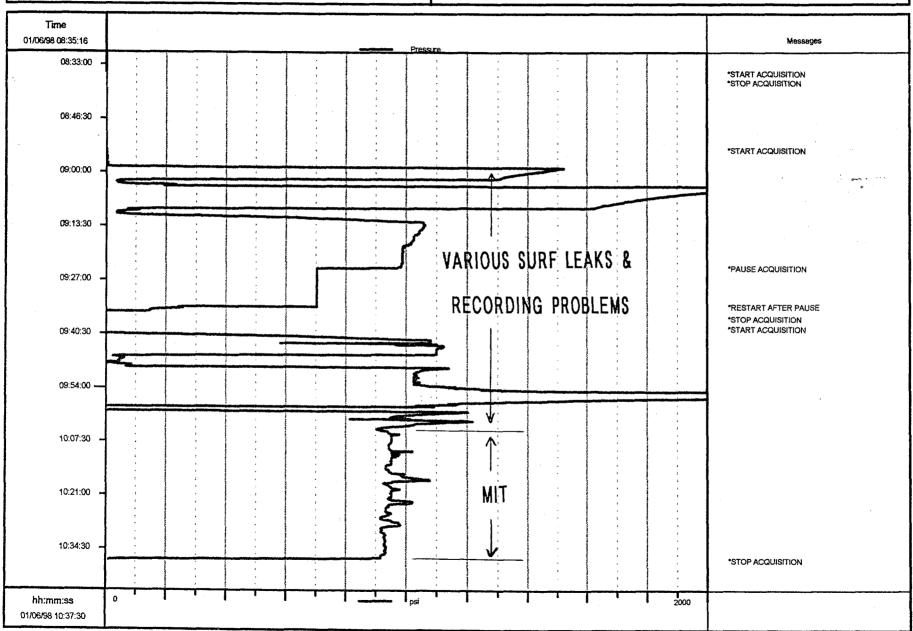
Field BLUEBELL ALTAMONT

Country USA

Client PENNZOIL EXPL

SIR No. 20671716

Job Date 1/6/98 8:35:16 AM



01/06/1998 18:00

PENNZENERGY

P. O. Box 5519 Vienna, West Virginia 26105-5519 (304) 480-2201 Fax (304) 480-2239

Michael G. Kirsch Senior Landman Land Department

July 30, 1999

Ms. Kristen Risbeck State of Utah Division of Oil, Gas & Minerals 1594 West N. Temple # 1210 Salt Lake City, UT 84114-5801

Dear Ms. Risbeck:

Re: PennzEnergy Company Bluebell-Altamont Field

Duchesne and Uintah Counties, Utah

Pursuant to our telephone conversation last month, enclosed are completed Transfer of Authority to Inject forms that transfer the following six saltwater disposal wells into PennzEnergy Company.

PZE LEASE NO.	WELL NAME	API NO.
73336-00	Timothy 2-10B1 (swd)	43-013 -43013- 30367
73332-00	Hamblin 2-26A2 (swd)	43-013-30389
73331-00	Dillman 2-28A2 (swd)	43-013-30346
73333-00	`Blanchard 1-3A2 (swd)	43-013- 30005 - 30021
73334-00	Boren 4-11A2 (swd)	43-013-20255
73330-00	`Saleratus 2-17C5 (swd)	43-013-30388

Please advise this office if you need any additional information relative to above matter.

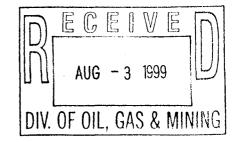
Yours very truly,

Michael G. Kirsch

Enclosures

cc: Craig Goodrich (w/ enclosure)
Jo Carol Moon (w/ enclosure)

bluebell/letters/Utah St SWD.doc



STATE OF UTAH DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Hell name and number:Blanchard 1	-3A2 (SWD)
Field or Unit name: Bluebell Field	API no. 43-013-30005
Hell location: QQ <u>SESE</u> section <u>3</u> towns	hip <u>1S</u> range <u>2W</u> county <u>Duchesne</u>
Effective Date of Transfer: 12/30/98	
CURRENT OPERATOR	
Transfer approved by:	
NameMichael McCown	Company Pennzoil Company
Signature Michael Mc Con-	Address P. O. Box 5519
TitleAttorney-in-Fact	Vienna, WV 26105
Date7/16/99	Phone (304) 480-2201
Comments:	
NEW OPERATOR	
Transfer approved by:	
Hame Michael McCown	Company PennzEnergy Company
Signature Milael Mi Com	Address P. O. Box 5519
Title Attorney-in-Fact	Vienna, WV 26105
Date7/16/99 ·	Phone (304) 480-2201
Comments:	
(State use only) Transfer approved by Colon	Title Fach Sands Magged WE In
Approval Date 8/9/99	
	AUG - 3 1999
	DIV. OF OIL, GAS & MINING

Division of Oil,	Gas and	Mining
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OPERATOR CHANGE WORKSHEET

Check each listed item when completed. Write N/A if item is not applicable.

ROUTING:	
1-GLH	4-KAS
2-CDW	5-SJ
3-JLT	6-FILE

Change of	Operate	or (Well Solo	d) \square Desig	nation of Agent					
□ Operator	Name C	hange Only		nsfer of Authorit	v to Injec	rt .			
орыны	i (dilio C	inango omy			y to Injec				
·			-,						
The operator	of the w	ell(s) listed l	below has changed, e	effective: <u>8-9-9</u>	9	_			
TO:(New Or	erator)	PENNZENER	RGY Canepung	, FROM:(Old	l Operator	r) PFN	NZOII (COMP A NIV	
Addre		P. O BOX 55		Addı	ress:		OX 4616		
		Vienna, WV			÷			X 7721-4616	
		D1 1 (2)	0.12.100.0001						
		Phone: 1-(30						-546-6590 NOTOS	
		Account No	o. <u>N4945</u>			Accou	nt 190	N0705	
WELL(S):		CA Nos.		_ or		Unit			
Name: TIMOT	HY 2-10E	31 (SWD)	API: 43-013-30367 -	Entity: 99990	S 40	~23	R-OLLW	Lease: FEE	
Name: DILLMA	N 2-28A2	(SWD)	API: 43-013-30346	Entity: 99990	S 28	T <u>01S</u>	R 02W	Lease: FEE	
Name: <u>BLANCI</u> Name: <u>SALERA</u>			API: 43-013-30021 API: 43-013-30388	Entity: 99990	S 03	T 01S		Lease: FEE	
Name: SALEKA				Entity: <u>99990</u> Entity:	S <u>17</u> S	T <u>03S</u> T_	R <u>_05 w</u> R	_Lease: FEE _ Lease:	
Name:			API:	Entity:	S	T	R	Lease:	
Name:			API:	Entity:	S	T	R	Lease:	
OPERATOR	CHAN	GE DOCU	MENTATION					···	
YES 1.	A pend	ling operator	change file has been	set up.					
YES 2.	(R649-	8-10) Sundry	or other legal docume	ntation has been rec	eived fron	n the F (ORMEF	R operator on	8-3-99 .
YES 3.			or other legal documer					•	
<u></u>	(10-15	o 10) Buildiy	or other regar documer	nation has been ree	cived non	ii uic ivi	z vv ope	14101 011 <u>0-5-</u>	<i>/</i> ·
<u>YES</u> 4.	The ne	w company ha	as been looked up in th	e Department of C	Commerce	e, Divisi	on of C	orporations I) atabase
			bove is not currently o						
			ompany file number is	047752	If no, I	Division	letter w	as mailed to t	he new
	operato	r on	<u> </u>						
<u>N/A</u> 5.	Federa	l and Indian	Lease Wells. The BL	M or the BIA has a	nnroved th	ne mero	er, name	e change or on	erator
11/11 0.			listed above involving						CIAtoi
<u>N/A</u> 6.			Units. The BLM or th			essor of	unit op	erator for all w	ells listed
	above 1	nvorving unit	operations on		·				
<u>N/A</u> 7.	Federa	l and Indian	Communitization Ag	reements ("CA").	The BLM	I or the	BIA has	approved the	operator
·			isted above involved in					**	•
						-			

	·
YES 8.	Underground Injection Control ("UIC") Program. The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.
<u>NO</u> 9.	Changes have been entered in the Oil and Gas Information System for each well listed on
<u>NO</u> 10.	Changes have been included on the Monthly Operator Change letter on
STATE BO	ND VERIFICATION
<u>N/A</u> 1.	State Well(s) covered by Bond No
FEE WELI	S - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION
<u>YES</u> 1.	(R649-3-1) The NEW operator of any fee lease well(s) listed above has furnished a proper bond.
<u>N/A</u> 2.	A copy of this form has been placed in the new and former operator's bond files on
<u>N/A</u> 3.	The FORMER operator has requested a release of liability from their bond as of todays date? If yes, Division response was made to this request by letter dated (see bond file).
<u>N/A</u> 4.	(R649-2-10) The Former operator of any Fee lease wells listed above has been contacted and informed by letter dated, of their responsibility to notify all interest owners of this change.
<u>NO</u> 5.	Bond information added to RBDMS on <u>6-27-00-RBDMS</u> (BOND) SYSTEM DOWN
<u>NO</u> 6.	Fee wells attached to bond in RBDMS on <u>6-27-00 RBDMS</u> (BOND) SYSTEM DOWN
FILMING	
1.	All attachments to this form have been microfilmed on
FILING	
1.	Originals/Copies of all attachments pertaining to each individual well have been filed in each well file.
2.	The original of this form has been filed in the operator file and a copy in the old operator file.
COMMEN	ΓS



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

In Reply Refer To: 3100 U-4377 UTU-66485 (UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Exploration and Production L.L.C. P.O. Box 2967 Houston, TX 77252-2967

Oil and Gas

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Pennzoil Exploration and Production Company into PennzEnergy Exploration and Production L.L.C. with PennzEnergy Exploration and Production L.L.C. being the surviving entity.

For our purposes, the merger is recognized effective December 28, 1998, (Secretary of State's approval date).

Oil and gas lease files U-4377 and UTU-66485 have been noted as to the merger. The lease file numbers were obtained from a list of leases drawn from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8023 29 91 (BLM Bond No. NM0043). The principal/obligor is also automatically changed from Pennzoil Exploration and Production Company to PennzEnergy Exploration and Production L.L.C. on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENUL AND IROCA

Irene J. Anderson Acting Group Leader, Minerals Adjudication Group

cc: Moab Field Office Vernal Field Office

MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217

State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801

Teresa Thompson (UT-931)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

In Reply Refer To: 3100 U-0115615 et al (UT-932)

MAR 2 6 1999

NOTICE

PennzEnergy Company P.O. Box 2967 Houston, TX 77252-2967

Oil and Gas

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of PennzEnergy Company into Pennzoil Company with PennzEnergy Company being the surviving entity.

For our purposes, the merger is recognized effective December 30, 1998, (Secretary of State's approval date).

The oil and gas lease files and communitization agreement computer files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from Pennzoil Company to PennzEnergy Company on Bond No. 8134-90-99 (BLM Bond No. NM2142).

IRENLA / NOTTEC

Irene J. Anderson Acting Group Leader, Minerals Adjudication Group

Enclosure

Exhibit

cc:

Moab Field Office Vernal Field Office

MMS, Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217

State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT 84114-5801

Teresa Thompson (UT-931)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 RECEIVED

FEB 17 2000

OIL, GAS AND MINING

In Reply Refer To: 3106 U-0575A et al (UT-932) FEB 1 6 2000

NOTICE

Devon Energy Production Company L.P. 20 North Broadway, Suite 1500

Oil and Gas U-0575A et al

Oklahoma City, Oklahoma 73102-8260

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of Devon Energy Corporation (Nevada) and PennzEnergy Exploration and Production Company, L.L.C. into Devon Energy Production Company, L.P. with that company being the surviving entity.

The oil and gas lease files listed on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from your list of leases, and a list of leases obtained from our computer system. We have not attempted to identify leases where the entities are the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the merger by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

PennzEnergy Company assigned 100 percent of the record title interest, in the following leases on the list submitted by Devon Energy Production Company L.P., to Barrett Resources Corporation (Barrett) effective January 1, 2000.

U-0143511

U-4377

UTU-67943

U-0143512

U-4378

Subsequently, Barrett assigned 100 percent of the record title interest to Coastal Oil & Gas Corporation effective February 1, 2000. A copy of this notice is being placed in these files to cover any overriding royalty interest that would be held by the surviving entity.

Lease U-0115614A is held 100 percent by Flying J Oil & Gas. PennzEnergy Company holds 100 percent of the record title interest in lease U-3575. No record title assignment assigning the interest to PennzEnergy Exploration and Production Company, L.L.C. has been filed in this office. A copy of this notice will be placed in the lease files to cover any overriding royalty interest that would be held by the surviving entity.

Leases U-61343, UTU-64532, UTU-66485 and UTU-75200 have expired and are closed on the records of this office.

An assumption rider for BLM Bond No. CO1104 has been filed in the Colorado State Office.

/a/ Robert Lopez

Robert Lopez Chief, Branch of Minerals Adjudication

Enclosure

Exhibit

cc: Vernal Field Office (w/encl.)

Moab Field Office (w/encl.)

MMS, Reference Data Branch, MS3130, P.O. Box 5860, Denver, CO 80217 (w/encl.) State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210), Box 145801, SLC, UT (w/encl.)

Teresa Thompson (UT-931) (w/encl.) Irene Anderson (UT-932) (w/encl.) LaVerne Steah (UT-942) (w/encl.)

Exhibit of Leases

U-0575A	U-0141459	U-4377
U-01188B	U-0143511	U-4378
U-016654	U-0143512	U-16131
U-0115614A	U-0144868A	U-31262
U-0115615	U-3099	U-44426
U-0126825	U-3575	UTU-67943
U-0141454	UTU-74888	

Communitization Agreements

U-58774	U-58835	U-60827
U-58799	U-58839	U-60831
U-58830	U-58844	U-68998
U-58834	U-58854	

Devon Energy Production Company, L.P.

FILED

DEC 3 0 1999

OKLAHOMA SECRETARY

OF STATE

Certificate of Merger

TO:

The Oklahoma Secretary of State

101 State Capitol

Oklahoma City, Oklahoma 73105

Devon Energy Production Company, L.P., a limited partnership organized under the laws of the State of Oklahoma, for the purpose of filing a Certificate of Merger pursuant to the provisions of 54 O.S. § 310.1, does hereby execute the following Certificate of Merger:

1. The name and jurisdiction of formation or organization of each of a domestic limited partnership, a foreign corporation and a foreign limited liability company which are to merge are:

Name of	Type of	Jurisdiction of
Organization	Organization	<u>Formation</u>
Devon Energy Production		
Company, L.P.	Limited Partnership	Oklahoma
Devon Energy Corporation (Nevada)	Corporation	Nevada
PennzEnergy Exploration and	Limited Liability	
Production Company, L.L.C.	Company	Delaware

- 2. An Agreement of Merger has been approved and executed by the limited partnership, the corporation and the limited liability company which are to merge.
 - 3. The name of the surviving or resulting limited partnership is:

Devon Energy Production Company, L.P.

- 4. The merger shall be effective upon the filing of this Certificate of Merger with the Secretary of State of Oklahoma.
- 5. The Agreement of Merger is on file at the place of business of the surviving limited partnership at 1500 Mid-America Tower, 20 North Broadway, Oklahoma City, Oklahoma 73102.
- 6. A copy of the Agreement of Merger shall be furnished by the surviving or resulting limited partnership, upon request and without cost, to any partner of any limited partnership or any person holding an interest in any other business entity which is to merge.

MAR 1 3 2000

DIVISION OF OIL, GAS AND MINING

DATED as of the 30th day of December, 1999.

Devon Energy Management Company, L.L.C. General Partner

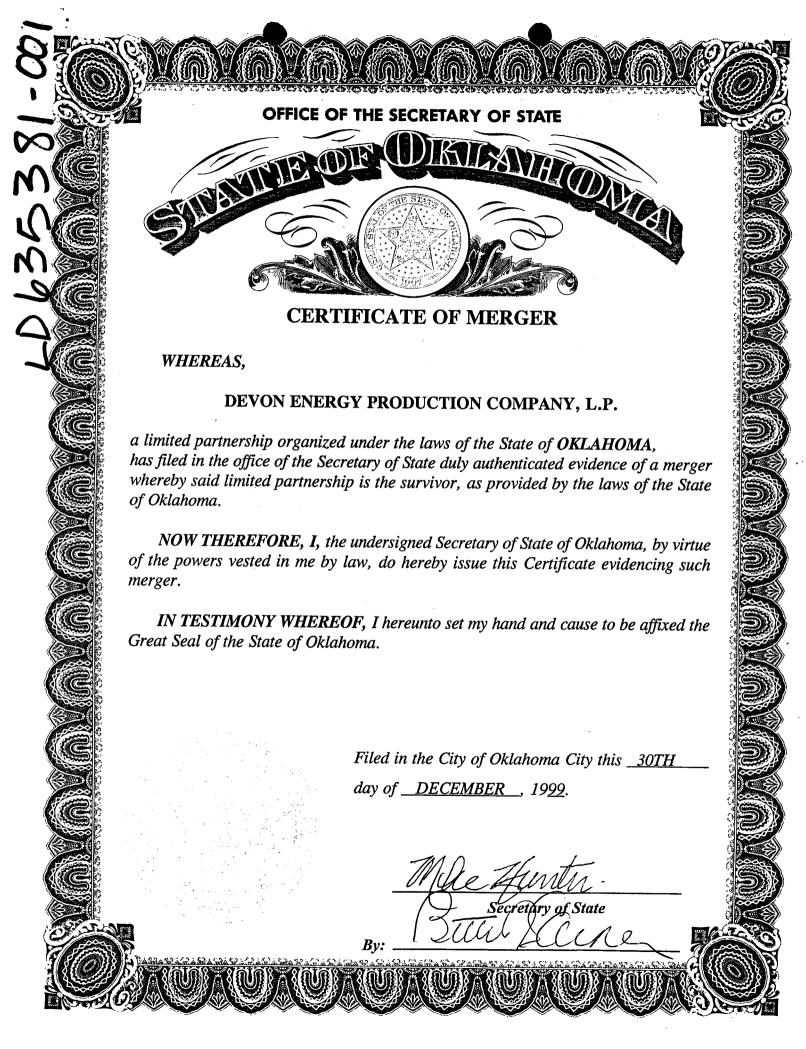
3<u>y</u>:_____

. Larry Nichols, Mana

RECEIVED

MAR 1 3 2000

DIVISION OF OIL, GAS AND MINING



STATE OF UTAH
DIVISION OF OIL, GAS AND HINING





TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF OIL, GAS AND MINING

i e	
Hell name and number:SWD 1-3A2	
Field or Unit name: Bluebell	API no43-013-30021
Hell location: QQ <u>SESE</u> section <u>3</u> town	ship <u>1S</u> range <u>2W</u> county <u>Duchesne</u>
Effective Date of Transfer: January 1,	2000
CURRENT OPERATOR	
Transfer approved by:	
Name R. D. Clark Signature	Company PennzEnergy Exploration and Production Company, L.L.C. Address 20 North Broadway, Suite 1500
Title Vice President	Oklahoma City, OK 73102-8260
Date4-17-00	Phone (405) 235-3611
reporting purposes. NEH OPERATOR	
Transfer approved by:	
Name Rich K. McClanahan Signature Mall K. MFOLL	Company Devon Energy Production Company, L.P. Address 20 North Broadway, Suite 1500
Title District Operations Supervisor	
Date <u>4-17-00</u>	Phone (405) 235-3611
Comments: Please use April 1, 2000 as reporting purposes.	the starting date for production
(State use only) Transfer approved by	Title Tack Savers Mugar

DIVISION OF OIL, GAS AND MININ

		DE	SIGNATION (OF AGEN	OR OPERA	TOR		
The undersig	gned is, o	on record, the hold	er of oil and gas	lease				
LEASE NA	AME:	As per the at	tached spread	isheet.				
LEASE NU	JMBER:			•				·
and hereby d	des igna te	s						
NAME: _	Devon	Energy Produc	tion Company,	L.P.				
ADDRESS:	20	North Broadwa	y, Suite 1500	, Oklahor	a City, OK	73102-8260		
State of Utah	vith the Oi with resp	on whom the Divide and Gas Conservect to:	ration General Ru	iles and Pro	edural Rules o	f the Board of	Oil, Gas and M	in securing ining of the
		spreadsheet.	and the second s	, g was by t	IS NOT HUMBER &	ocusional pages as need	sed.)	
Note:	Pleas	e use April 1,	2000 as the	starting	date for p	roduction r	eporting pu	rposes.
	•	-			RECEI	VED		
					APR 20	2000		
	-			(DIVISION DIL, GAS AND			
it the lease and itate of Utah. I in the lease. in case of defai	d t he Oil It is also u	designation of age and Gas Conserva anderstood that thi part of the design the Board of Oil, (tion General Rules designation of a ated agent/opera	es and Proceagent or ope agent or ope ator, the less	dural Rules of rator does not d	the Board of C constitute an a	oil, Gas and Mir ssignment of an compliance with	ning of the ny interest
h e lessee ag re	e s to pro	omptly notify the D	ivision Director o	r Authorized	Agent of any o	thange in this	designation.	
ffective Date	of Des ign	nation: January	1, 2000		÷ ,			
Y: (Name) _	R. D.	6lark		OF: (Compa	PennzEne:		ition and Pr	oduction
(Signature)	1	CL_		(Addres			<u>Suite 1500</u>	
(Title)	Vice	President			Oklahoma	City, OK	73102-8260	
(Phone)	405-2	35-3611						

DEVON ENERGY PRODUCTION COMPANY, L.P. UTAH PROPERTIES

						LEASE NO. /
	API NO.	WELL NAME & NO.	LOCATION	COUNTY	FIELD NAME	AGREEMENT NO.
82	4304730164	ROBERTSON UTE ST 1-12B1	SWNE-12-2S-1W	UNITAH	BLUEBELL	96101
83	4304730176	MAY UTE FEDERAL 1-13B1	NWSE-13-2S-1W	UNITAH	BLUEBELL	NW673
84	4304731981	COOK 1-26B1	SWSW-26-2S-1W	UNITAH	BLUEBELL	UTU68998
85	4304732178	CHRISTIANSEN 2-12B1	SWSE-12-2S-1W	UNITAH	BLUEBELL	96101
86	4304732351	BALLARD 2-15B1	SENE-15-2S-1W	UNITAH	BLUEBELL	
37	4304732744	RICH 2-13B1	NWNW-13-2S-1W	UNITAH	BLUEBELL	NW673
88	4301320255	SWD 4-11A2	NWNW-11-1S-2W	DUCHESNE	BLUEBELL	96107
89	4301330021	SWD 1-3A2	SESE-3-1S-2W	DUCHESNE	BLUEBELL	
90	4301330346	SWD 2-28A2	NWSE-28-1S-2W	DUCHESNE	BLUEBELL	
91	4301330367	SWD 2-10B1	NWNW-10-2S-1W	DUCHESNE	BLUEBELL	
92	4301330389	SWD 2-26A2	NESW-26-1S-2W	DUCHESNE	BLUEBELL	
93	4301330388	SWD 2-17C5	SENE-17-3S-5W	DUCHESNE	BLUEBELL	

RECEIVED

APR 20 2000

DIVISION OF OIL, GAS AND MINING

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

5. SUP

3. JLT

6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, eff	ective:	4-1-200	0	_		
FROM: (Old Operator):		TO: (No	ew Operator):			
PENNZENERGY COMPANY		DEVON I	ENERGY EXP	L & PROD	CO L. L.	C.
Address: P. O. BOX 4616		Address	20 NORTH E			
6TH FLOOR						
HOUSTON, TX 77210-4616		OKLAHO	MA CITY, OF	C 73102-82	60	
Phone: 1-(713)-546-6590		Phone:	1-(405)-235-3	3611		
Account No. N4945		Account	N1275			
CA	No.	Unit:	7	<u> </u>		
WELL(S)					- 4	
	API	ENTITY	SEC. TWN	LEASE	WELL	WELL
NAME	NO.	NO.	RNG	TYPE	TYPE	STATUS
SWD 1-3A2	43-013-30021	99990	03-01S-02W	FEE	WD	A
SWD 4-11A2	43-013-20255	99990		FEE	WD	A
SWD 2-26A2	43-013-30389	99990		FEE	WD	A
SWD 2-28A2	43-013-30346	99990	28-01S-02W	FEE	WD	A
SWD 2-10B1	43-013-30367	99990	10-02S-01W	FEE	WD	A
SWD 2-17C5	43-013-30388	99990	17-03S-05W	FEE	WD	A
					}	
		T				
OPERATOR CHANGES DOCUMENTATI	ON					
1. (R649-8-10) Sundry or legal documentation was rec	eived from the FORM	ER operato	r on:	04/20/200	0	
. , , , ,		•				
2. (R649-8-10) Sundry or legal documentation was rec	eived from the NEW o	perator on:		04/20/200	0	
3. The new company has been checked through the De	partment of Commer	ce, Division	of Corporation	ons Databa	se on:	10-12-2000
4. Is the new operator registered in the State of Utah:	YES	_Business 1	Number:	4 <u>549132-01</u>	43	
5. If NO , the operator was contacted contacted on:						
6. Federal and Indian Lease Wells: The BLM or operator change for all wells listed on Federal or 1		s approved	d the (merger 02/16/2000	, name ch	ange,	
7. Federal and Indian Units: The BLM or BIA for wells listed on:	N/A	_	•			
8. Federal and Indian Communization Agr	reements ("CA"):	The BLM	or the BIA	has appro	ved the o	operator

	change for all wells listed involved in a CA on: N/A
9.	Underground Injection Control ("UIC") Pro: The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 10/16/2000
D	ATA ENTRY:
1.	Changes entered in the Oil and Gas Database on: 10/16/2000
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 10/16/2000
3.	Bond information entered in RBDMS on: N/A
4.	Fee wells attached to bond in RBDMS on:
TZ	ATE BOND VERIFICATION:
	State well(s) covered by Bond No.:
FF	E WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:
	(R649-3-1) The NEW operator of any fee well(s) listed has furnished a bond: YES
	The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on: 10/03/2000 09/27/2000
	(R649-2-10) The FORMER operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:
TOT	LMING:
	All attachments to this form have been MICROFILMED on: 3 007
FL	LING:
	ORIGINALS/COPIES of all attachments pertaining to each individual well have been filled in each well file on:
co	MMENTS:

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

SUNDRY NOTICES AND REPORTS ON WELLS Do not use the form the proposable foll from which, significantly deepen activities on an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with, or to an extension of coeph, certain Plagade with or to an extension of coeph, certain Plagade with or to an extension of coeph, certain Plagade with plagade with or to an extension of coeph, certain Plagade with plagade wit	DIVISION OF OIL, GAS	AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
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NAME OF DIRECTOR NAME OF DIRECTOR NAME OF DIRECTOR DEVON ENERGY PRODUCTION COMPANY, LP 3. ADDRESSOF OFENDROR: 4. 1002 TOROTH SECTION, TOWNSHIP, RANGE, MERIDIAN: SESSE 3 T1S R2W 6 STATE OTROTH, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESSE 3 T1S R2W 6 STATE: UTAH 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION NOTICE OF INTENT SIGNIFIS DISCHARGE SHARE SHARE CHARGE SHARE NOTICE OF INTENT SIGNIFIS DISCHARGE SHARE CASHING REPART ACTION NOTICE OF INTENT SUBSEQUENT REPORT CASHING REPART CHARGE TURING USUSSEQUENT REPORT CHARGE TURING CHARGE TURING PRODUCTION STARTHRESIMES 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. CHARGE WELL STATUS CHARGE WELL HAVE COMMENT WILL TYPE 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. CHARGE STRAINS SHARE AS RULL OFF THE MECHANICAL INTEGRITY TEST ON THE ABOVE REFERENCED WELL IS DUE JANUARY 2003. DEVON ENERGY PRODUCTION COMPANY, LP WOULD LIKE TO SCHEDULE A TIME. NAME (PILEAGE PRINT) GEORGE GURR 1TITLE ASSISTANT FOREMAN 121. ASSISTANT FOREMAN 122. ASSISTANT FOREMAN NAME (PILEAGE PRINT) GEORGE GURR 1TITLE ASSISTANT FOREMAN 123. ASSISTANT FOREMAN 124. 1020202	Do not use this form for proposals to drill new wells, significantly deepen existing we drill horizontal laterals. Use APPLICATION FOR PERMIT	ils below current bottom-hole depth, reenter plugged wells, or to	
2. NAME (NEARSE PRINT) GEORGE GURR 1. ADDRESS OF OPERATOR DEVON ENERGY PRODUCTION COMPANY, LP 2. ASSISTANT FOREMAN 4. 4301330021 4. 301330021 5. REID AND PRODUCTION COMPANY, LP 4. 4301330021 5. REID AND PRODUCTION COMPANY 6. REID AND PRODUCTION COMPANY 5. REID AND PRODUCTION COMPANY 6. REID REID AND PRODUCTION COMPANY 6. REID REID AND PRODUCTION	1. TYPE OF WELL OIL WELL GAS WELL (OTHER SWD	
3. ADDRESS OF OPERATOR. P.O. BOX 2.90 P.O. BOX 2.90 A. LOCATION OF WELL POOTAGES AT SUPERACE: 348° FSL & 315° FEL OTRIGITS, SECTION, TOWNSHIP, RANGE, MERIDIAN. SESE 3 T1S R2W 6 TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF SUBMISSION TYPE OF ACTION ACTIONAL ADDRESS OF SUBMISSION TYPE OF SUBMISSION ACTIONAL ADDRESS OF SUBMISSION TYPE OF SUBMISSION ACTIONAL ADDRESS OF S	2. NAME OF OPERATOR:		
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TYPE OF SUBMISSION	QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 3	T1S R2W 6	
NOTICE OF INTENT (Submit in Duplication) ALTER CASING PRACTURE TREAT SIDETARCK TO REPAR WELL Approximate date work will start: CASING REPAIR NEW CONSTRUCTION TEMPORARILY ABANDON CHANGE TUBING PLUG AND ABANDON WENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL Submit Original Form Only CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF COMMINICAL PRODUCING PORMATIONS RECLAMATION OF WELL SITE OTHER: MIT DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE MECHANICAL INTEGRITY TEST ON THE ABOVE REFERENCED WELL IS DUE JANUARY 2003. DEVON ENERGY PRODUCTION COMPANY, LP WOULD LIKE TO SCHEDULE THE TEST FOR MONDAY, JANUARY 6, 2003. PLEASE CONTACT ME AT (435) 353-5784 TO SCHEDULE A TIME. NAME (PLEASE PRINT) GEORGE GURR TITLE ASSISTANT FOREMAN 12. ASSISTANT FOREMAN ACRICATION SASISTANT SASISTANT FOREMAN ACRICATION SASISTANT SASISTANT FOREMAN ACRICATION S	11. CHECK APPROPRIATE BOXES TO IN	NDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
NOTICE OF INTENT (Submit Duplicion) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL	TYPE OF SUBMISSION	TYPE OF ACTION	
AJER CASING	NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION
1/6/2003	(Submit in Duplicate) ALTER CASING		
CHANGE WELL NAME CHANGE WELL STATUS Date of work completion: COMMINGLE PRODUCTION START/RESUME) DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE MECHANICAL INTEGRITY TEST ON THE ABOVE REFERENCED WELL IS DUE JANUARY 2003. DEVON ENERGY PRODUCTION COMPANY, LP WOULD LIKE TO SCHEDULE THE TEST FOR MONDAY, JANUARY 6, 2003. PLEASE CONTACT ME AT (435) 353-5784 TO SCHEDULE A TIME. RECEIVED DIV. OF OIL, GAS & MARRING ASSISTANT FOREMAN 12140/2003			
SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: CHANGE WELL STATUS CONTENT WELL TYPE RECOMPLETE - DIFFERENT FORMATION THER: MIT CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION THER: MIT CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION THERE: MIT CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION THERE: MIT CONTENT WELL TYPE RECOMPLETE - DIFFERENT FORMATION THERE: MIT CONTENT WELL TYPE CONTACT ME AT (435) 353-5784 TO SCHEDULE THE TEST FOR MONDAY, JANUARY 6, 2003. PLEASE CONTACT ME AT (435) 353-5784 TO SCHEDULE A TIME. RECEIVED DIV. OF OIL, GAS & MITING TITLE ASSISTANT FOREMAN TITLE ASSISTANT FOREMAN	170/2000		
CHANGE WELL STATUS			
Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: MIT	(Submit Original Form Only)		
DEC 1 3 2002 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE MECHANICAL INTEGRITY TEST ON THE ABOVE REFERENCED WELL IS DUE JANUARY 2003. DEVON ENERGY PRODUCTION COMPANY, LP WOULD LIKE TO SCHEDULE THE TEST FOR MONDAY, JANUARY 6, 2003. PLEASE CONTACT ME AT (435) 353-5784 TO SCHEDULE A TIME. RECEIVED DEC 1 3 2002. DIV. OF OIL, GAS & MERCE ASSISTANT FOREMAN 12(10)(2002)	Date of work completion:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE MECHANICAL INTEGRITY TEST ON THE ABOVE REFERENCED WELL IS DUE JANUARY 2003. DEVON ENERGY PRODUCTION COMPANY, LP WOULD LIKE TO SCHEDULE THE TEST FOR MONDAY, JANUARY 6, 2003. PLEASE CONTACT ME AT (435) 353-5784 TO SCHEDULE A TIME. RECEIVED DIV. OF OIL, GAS & MARRING NAME (PLEASE PRINT). GEORGE GURR TITLE ASSISTANT FOREMAN			
PRODUCTION COMPANY, LP WOULD LIKE TO SCHEDULE THE TEST FOR MONDAY, JANUARY 6, 2003. PLEASE CONTACT ME AT (435) 353-5784 TO SCHEDULE A TIME. RECEIVED DEC 1 3 2002 DIV. OF OIL, GAS & MARRING NAME (PLEASE PRINT) GEORGE GURR TITLE ASSISTANT FOREMAN			
DEC 13 Zinc. DIV. OF OIL, GAS & MITTING NAME (PLEASE PRINT) GEORGE GURR TITLE ASSISTANT FOREMAN 12/10/2003	PRODUCTION COMPANY, LP WOULD LIKE TO S	SCHEDULE THE TEST FOR MONDAY	
DIV. OF OIL, GAS & MARKING NAME (PLEASE PRINT) GEORGE GURR TITLE ASSISTANT FOREMAN 12/10/2003			
NAME (PLEASE PRINT) GEORGE GURR TITLE ASSISTANT FOREMAN 12/10/2003			
12/10/2002			DIV. OF OIL, GAS & MINIME
12/10/2002			
12/10/2002	NAME (PLEASE PRINT) GEORGE GURR	TITLE ASSISTANT FO	PREMAN
		DATE 12/10/2002	

(This space for State use only)

STATE OF UTAH

DEPARTMENT OF NATURAL F DIVISION OF OIL, GAS AN		5. LEASE DESIGNATION AND SERIAL NUMBER:			
SUNDRY NOTICES AND REP	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells drill horizontal laterals. Use APPLICATION FOR PERMIT To	below current bottom-hole depth, reenter plugged wells, or to ORILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WELL GAS WELL OT	THER SWD	8. WELL NAME and NUMBER: SWD 1-3A2			
2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY, LP 3. ADDRESS OF OPERATOR:		9. API NUMBER: 4301330021			
P.O. BOX 290 CITY NEOLA STATE U	T ZIP 84066 PHONE NUMBER: (435) 353-4121	10. FIELD AND POOL, OR WILDCAT: BLUEBELL/DUCHESNE RIVER			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 348' FSL & 315' FEL		COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 3 T	1S R2W 6	STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INC	DICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION				
NOTICE OF INTENT (Submit in Duplicate) ACIDIZE ALTER CASING	DEEPEN	REPERFORATE CURRENT FORMATION			
Acceptant	FRACTURE TREAT	SIDETRACK TO REPAIR WELL			
	NEW CONSTRUCTION	TEMPORARILY ABANDON			
CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR			
CHANGE TUBING SUBSEQUENT REPORT CHANGE WELL NAME	PLUG AND ABANDON	VENT OR FLARE			
(Submit Original Form Only)	L PLUG BACK	WATER DISPOSAL			
Date of work completion:	PRODUCTION (START/RESUME)	WATER SHUT-OFF			
1/6/2003 COMMINGLE PRODUCING FORMA	ATIONS RECLAMATION OF WELL SITE	OTHER: MIT			
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION				
ATTACHED IS THE STATE OF UTAH INJECTION WELL - PRESSURE TEST FORM AND THE UNITED STATES ENVIROMENTAL PROTECTION AGENCY MECHANICAL INTEGRITY FORM COMPLETED BY DENNIS INGRAM, STATE OF UTAH INSPECTOR, AND KENT BASTIAN, DEVON ENERGY PRODUCTION COMPANY, LP REPRESENTATIVE. TESTING OCCURRED FOR 30 MINUTES, MAXIMUM ANNULUS PRESSURE WAS 915 PSI, MAXIMUM TUBING PRESSURE WAS 1200 PSI. BASED ON THE RESULTS OF THE TEST, THE ABOVE REFERENCED WELL PASSED THE MECHANICAL INTEGRITY TEST. RECEIVED					
		DIV. OF OIL, GAS & MINING			
NAME (PLEASE PRINT) GEORGE GURR	TITLE ASSISTANT FOR	REMAN			
SIGNATURE SEAS TO SEAS TO SEASON SIGNATURE	DATE 1/7/2003				

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STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: 01-06-03 Well Owner/Operator: DEUSN ZIJERGY
Disposal Well: 1-3/12 Enhanced Recovery Well: 1000 Other:
API No.: 43-013- Well Name/Number: Blue hell SWD 1-3A2
Section: 3 Township:/ 5 Range:
Initial Conditions:
Tubing - Rate: Pressure: psi
Casing/Tubing Annulus - Pressure:psi
Conditions During Test:
Time (Minutes) Annulus Pressure O S O O O O O O O O O O O
Tubing Pressure: //80 psi
Casing/Tubing Annulus Pressure: psi
Testal & 8:45 Am. Injecting lung little - increase
Operator Representative DOGM Witness Jennesch zu



Devon Energy Production Company, LP 8345 North 5125 West Neola, UT 84053 (435)353-4121 (Voice) (435) 353-4139 (Fax)

January 7, 2003

Mr. Al Craver (Mail code: 8ENF-T)
United States Environmental Protection Agency
Region 8
999 18th Street
Suite 300
Denver, CO 80202-2466

RE:

MECHANICAL INTEGRITY TEST EPA PERMIT UT2666-02722 SWD 1-3A2 348' FSL & 315' FEL SECTION 3, T1S, R2W DUCHESNE COUNTY, UTAH

Dear Mr. Craver:

Attached is the State of Utah Injection Well – Pressure Test and the United States Environmental Protection Agency Mechanical Integrity forms completed on the above referenced well.

Test was conducted by Kent Bastian, Devon Energy Production Company, LP Representative and witnessed by Dennis Ingram, State of Utah Inspector.

Testing occurred for 30 minutes, maximum annulus pressure was 915 psi, maximum tubing pressure was 1200 psi. Based on the results of the test, well passed mechanical integrity test.

Sincerely,

George Gurr

Assistant Foreman

Attachments: U.S. EPA Mechanical Integrity Test

State of Utah Injection Well - Pressure Test



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VIII

999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2405

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Well Name: O 1
D
Field Name: MLR. 1 22 ()
Woll man our 315 FEC S T 15 R 211
Type of Packer: Gave 1
racker Set at (denth).
Surface Casing Size: 123/2 FT
Surface Casing Size: 133/8 From: 104 FT to Surface F
Tubing Size: 27/2 Tubing Pressure during Test: 1/00 psice property
(am/pm
Test #1 O Min: 905 psig psig 5 965 psig psig 10 905 psig psig 20 910 psig psig psig 25 915 psig psig psig 30 915 psig psig psig psig psig 40 psig psig psig 45 psig psig psig 50 psig psig psig 45 psig psig psig 50 psig psig psig
psig psig
50psigpsic
Test Conducted by: Kent Rastian Devon Energy Inspected by: Jenna Lagra (State of Wal) Others Present:

Mechanical Integrity est

Additional comments for mechanical integrity test			
·			
			
			
,			
		·	
	•		
		·	
ignature of EPA Witness			
·			
OFFICE TROPES			•
OFFICE USE ONLY = COMPLIANCE FOLLOWUP Starf		D	
Do you agree that the well passed/failed ex		ъзсе: =	<u> </u>
Do you agree that the well passed/failed the Transfer of ownership? [] Yes [] No Old Change in operating status (computer update)	rest?)	J Yes	[] N
Change in operating status (computer update) Possible violets	[] Yes		() No
Possible violation identified? [] Yes [] If YES - Followup initiated? [] Yes	No		
Yes			
	M. AANLAR II		
[] Compliance Staff [] 2nd Dai	ta Entry	[] Hard Co	Die Pili-
	-	((,53 EJTTE

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STATE OF UTAH

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DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:		
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL OIL WELL GAS WELL OTHER SWD	8. WELL NAME and NUMBER: SWD 1-3A2		
2. NAME OF OPERATOR: DEVON ENERGY PRODUCTION COMPANY, LP	9. API NUMBER: 4301330021		
3. ADDRESS OF OPERATOR: P.O. BOX 290 CITY NEOLA STATE UT ZIP 84066 PHONE NUMBER: (435) 353-4121	10. FIELD AND POOL, OR WILDCAT: BLUEBELL/DUCHESNE RIVER		
4. LOCATION OF WELL			
FOOTAGES AT SURFACE: 348' FSL & 315' FEL	COUNTY: DUCHESNE		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 3 T1S R2W 6	STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION TYPE OF ACTION			
NOTICE OF INTENT (Submit in Duplicate) ACIDIZE DEEPEN FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL		
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON		
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR		
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE		
SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK	WATER DISPOSAL		
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF		
1/6/2003 COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: MIT		
CONVERT WELL TYPE			
ATTACHED IS THE STATE OF UTAH INJECTION WELL - PRESSURE TEST FORM AND THE UNITED STATES ENVIROMENTAL PROTECTION AGENCY MECHANICAL INTEGRITY FORM COMPLETED BY DENNIS INGRAM, STATE OF UTAH INSPECTOR, AND KENT BASTIAN, DEVON ENERGY PRODUCTION COMPANY, LP REPRESENTATIVE. TESTING OCCURRED FOR 30 MINUTES, MAXIMUM ANNULUS PRESSURE WAS 915 PSI, MAXIMUM TUBING PRESSURE WAS 1200 PSI. BASED ON THE RESULTS OF THE TEST, THE ABOVE REFERENCED WELL PASSED THE MECHANICAL INTEGRITY TEST.			
	RECEIVED		
	DIV. OF OIL, GAS & MINING		
NAME (PLEASE PRINT) GEORGE GURR TITLE ASSISTANT FOR	REMAN		
1/7/2003			
SIGNATURE DATE 1772003			

(This space for State use only)

dogm



STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: 01-06-03 Well Owner/Operator: DEUGN ENERGY		
Disposal Well: Mo 1-3/12 Enhanced Recovery Well: Work Other:		
API No.: 43-013- Well Name/Number: Bluebell SWD 1-3A2		
Section: 3 Township: /5 Range: 26)		
Initial Conditions:		
Tubing - Rate: Pressure: ///O psi		
Casing/Tubing Annulus - Pressure:psi		
Conditions During Test:		
Time (Minutes) Annulus Pressure Tubing Pressure [160] [17]		
10 905 PSI 1150 15 905 PSI 120		
$\frac{20}{25} \qquad \frac{9/6}{9/6} \qquad \frac{1}{125} \qquad $		
30 715 7		
Results: Pass/rail		
Conditions After Test:		
Tubing Pressure:psi		
Casing/Tubing Annulus Pressure:psi		
REMARKS: (&) 8:45 pm. Injecting lung to Incurre		
10 PSI - injenting hot waters		
Operator Representative DOGM Witness Lanna 7)	
Operator Representative DOGM Witness American	gri	
(



Devon Energy Production Company, LP 8345 North 5125 West Neola, UT 84053 (435)353-4121 (Voice) (435) 353-4139 (Fax)

January 7, 2003

Mr. Al Craver (Mail code: 8ENF-T)
United States Environmental Protection Agency
Region 8
999 18th Street
Suite 300
Denver, CO 80202-2466

RE:

MECHANICAL INTEGRITY TEST EPA PERMIT UT2666-02722 SWD 1-3A2 348' FSL & 315' FEL SECTION 3, T1S, R2W DUCHESNE COUNTY, UTAH

Dear Mr. Craver:

Attached is the State of Utah Injection Well – Pressure Test and the United States Environmental Protection Agency Mechanical Integrity forms completed on the above referenced well.

Test was conducted by Kent Bastian, Devon Energy Production Company, LP Representative and witnessed by Dennis Ingram, State of Utah Inspector.

Testing occurred for 30 minutes, maximum annulus pressure was 915 psi, maximum tubing pressure was 1200 psi. Based on the results of the test, well passed mechanical integrity test.

Sincerely,

George Gurr

Assistant Foreman

Attachments:

U.S. EPA Mechanical Integrity Test

State of Utah Injection Well - Pressure Test



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VIII 999 18th STREET - SUITE 500 DENVER, COLORADO 80202-2405

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Company Name: Devon Energy Product	Date: \
color	Permit No
HITEMENT Blueball	Country
Well Location: SESE 348 FSL Sec	3 This
Well Type: SWD ER 2H	Other:
Type of Packer: Beker Loc-set	o chici:
Packer Set at (depth): _ 2602	Total Depth:
Surface Casing Size: \\33\/8	From the state of
Casing Size: 95/8	FT to Surface FT
Tubing Size: 27/2 Tubing	From: 3150 FT to Surface FT
Time of Day: 8'45 @ /pm	rressure during Test: //oc psig
any pin	
Test #1 0 Min: 905 psig 5 905 psig 10 905 psig 15 905 psig 20 psig 25 915 psig 30 915 psig 35 psig 40 psig 45 psig 50 psig	Test #2
55psig	psig
50psig	psiç
	psiç
Test Conducted by: Fort	
Inspected by:	Heron Energy
Others Present:	(XIANE PJ WAL)
	· /

Mechanical Integrity est

		
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		-
		-
ignature of EPA Witness		
		-
OFFICE USE ONLY - COMPLIANCE FOLLOWING	Million distillation of the State of the Commercial Com	
OFFICE USE ONLY - COMPLIANCE FOLLOWUP Staff	Date	
Do you agree that the well passed/failed the tes	t2	
Do you agree that the well passed/failed the tes	t2	No
Do you agree that the well passed/failed the tes Transfer of ownership? [] Yes [] No OLD Change in operating status (computer update) [] Possible violation ideas:	E? [] Yes [] NEW	No
Change in operating status (computer update) [] Possible violation identified? [] Yes [] No. If YES = Followup initiated?	t? [] Yes []	No
Do you agree that the well passed/failed the tes Transfer of ownership? [] Yes [] No OLD Change in operating status (computer update) [] Possible violation identified? [] Yes [] No If YES = Followup initiated? [] Yes	t? [] Yes [] NEW Yes	No No
Do you agree that the well passed/failed the tes Transfer of ownership? [] Yes [] No OLD Change in operating status (computer update) [] Possible violation ideas:	t? [] Yes [] NEW Yes	No No

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INSPECTION FORM 6

STATE OF UTAH DIVISION OF OIL GAS AND MINING

ROOMS

INJECTION WELL - PRESSURE TEST

Well Name: 5WD 1- Qtr/Qtr: 5ESE Sec Company Name: Devon Lease: State Inspector: When Sec	tion: 3 Town: Energy Production (·				
Initial Conditions:						
Tubing - Rate: // (ed)	у Р	Pressure: 1350	psi			
Casing/Tubing Annulus - Pr	essure: 0 +0 1081	psi .				
Conditions During Test:						
Time (Minutes)	Annulus Pressure	Tubing Press	iure			
0	1030	<u>. /350</u>				
5	1030	1390				
10	1030	1390				
15	1030	1350				
20	1030	1390	>			
25	1030	1396				
30	1030	1390				
Results: Pass/Fail						
Conditions After Test:						
Tubing Pressure:	390 psi					
Casing/Tubing Annulus	s Pressure:	psi				
COMMENTS: Justul @ 9:30AM						
	·					
E.K. Bastra						
Operator Representative						

Alkendy in RBDMS

JAN 0 7 2008

Sundry Number: 33640 API Well Number: 43013300210000

	STATE OF UTAH		FORM 9			
[DEPARTMENT OF NATURAL RESOURG DIVISION OF OIL, GAS, AND MII		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE			
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	posals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.		7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Water Disposal Well			8. WELL NAME and NUMBER: 1-3A2			
2. NAME OF OPERATOR: DEVON ENERGY PROD CO L	P		9. API NUMBER: 43013300210000			
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5	125 West, Neola, UT, 84053	PHONE NUMBER: 405 228-4248 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0348 FSL 0315 FEL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 3 Township: 01.0S Range: 02.0W Meri	dian: U	STATE: UTAH			
11. CHECI	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	T, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
✓ NOTICE OF INTENT	ACIDIZE	ALTER CASING	CASING REPAIR			
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	L DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION			
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
Date of opid.	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	L TEMPORARY ABANDON WATER DISPOSAL			
	L TUBING REPAIR	☐ VENT OR FLARE ☐				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Mechical Integrity Test			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The mechanical integrity test on the above referenced well is due January 2013. The test can be witnessed on Wednesday, January 16, 2013. George Gurr will be your contact and can be reached at 435-353-5784 or 435-610-0802. Thank you for your assistance. 1/16/2013 Due to inclement weather (below 0°), we are requesting that this MIT be done in Spring when weather is warmer; reviewed with Dennis Ingram. Dennis Ingram.						
NAME (PLEASE PRINT) Deanna Bell	PHONE NUME 435 353-5780	BER TITLE Senior Field Technician				
SIGNATURE N/A		DATE 1/7/2013				

Sundry Number: 33640 API Well Number: 43013300210000



The Utah Division of Oil, Gas, and Mining

- State of UtahDepartment of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013300210000 DOGM will contact you to set up the mechanical integrity test.

RECEIVED: Jan. 30, 2013

Sundry Number: 36199 API Well Number: 43013300210000

	STATE OF UTAH		FORM 9			
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: FEE			
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL Water Disposal Well			8. WELL NAME and NUMBER: 1-3A2			
2. NAME OF OPERATOR: DEVON ENERGY PROD CO L	_P		9. API NUMBER: 43013300210000			
3. ADDRESS OF OPERATOR: P.O. Box 290 8345 North 5	5125 West, Neola, UT, 84053	PHONE NUMBER: 405 228-4248 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0348 FSL 0315 FEL			COUNTY: DUCHESNE			
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 3 Township: 01.0S Range: 02.0W Meric	dian: U	STATE: UTAH			
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOF	RT, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
Approximate date work will start:	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION			
3/27/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
	_					
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION			
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON			
DRILLING REPORT	TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL			
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION			
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: INJECTION WELL PRESSURE TE			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Subsequent report for NOI dated 1/7/2013 to perform an injection well pressure test. State of Utah, Division of Oil, Gas & Mining Injection Well - Pressure Test Form is completed and attached; Dennis Ingram, DOGM Specialist, witnessed and passed test. If additional information is needed, please contact George Gurr, Production Foreman, 435-353-5784.						
NAME (PLEASE PRINT) Deanna Bell	PHONE NUMB 435 353-5780	BER TITLE Senior Field Technician				
SIGNATURE		DATE				
N/A		4/2/2013				

Sundry Number: 36199 API Well Number: 43013300210000

INSPECTION FORM 6

STATE OF UTAH DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

	API Number: tion: 3 Township: Energy Prod C0 UP Fee Federal Date: 3	 Indian	9:/
Initial Conditions: (20/ -	CAlm.	and the second second control of the second	
Tubing - Rate: 280	O B.f.D. Pressur	e: <i>1310</i> psi	
Casing/Tubing Annulus - P	ressure: psi		
Conditions During Test:			
Time (Minutes) 0 5 10 15 20 25 30	Annulus Pressure 1040 1040 1040 1040 1040 1040	Tubing Pressure 310	
Results: (Pass/Fail	ol- calm.		
Conditions After Test:	<u>3/0</u> psi		
COMMENTS: 5 year		st.	
Operator Representative			

RECEIVED: Apr. 02, 2013

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

X - Change of Operator (Well Sold)			Operator Name Change/Merger						
The operator of the well(s) listed below has change	ged, o	effectiv	/e:	8/29/2014					
DEVON ENERGY PRODUCTION COMPANY L.P. N1275			TO: (New Operator): LINN OPERATING INC N4115 1999 BROADWAY STE 3700						
333 WEST SHERIDAN AVENUE OKLAHOMA CITY OK 73102-5015				DENVER CO		3700			
				303-999-4275					
CA No.				Unit:	N/A				
	SEC	TWN	N RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
See Attached List			<u> </u>		L		<u></u>		
OPERATOR CHANGES DOCUMENT. Enter date after each listed item is completed									
1. (R649-8-10) Sundry or legal documentation wa				-		9/16/2014	•		
2. (R649-8-10) Sundry or legal documentation wa				=		9/16/2014		10/0/0014	
3. The new company was checked on the Departs4a. Is the new operator registered in the State of U		oi Coi	mmerce	Business Numb	-	9031632-0143		10/8/2014	
5a. (R649-9-2)Waste Management Plan has been re		ed on:		Yes		7031032-0143	•		
5b. Inspections of LA PA state/fee well sites compl5c. Reports current for Production/Disposition & S				N/A 10/8/2014	- -				
6. Federal and Indian Lease Wells: The BL					merger, na	me change,			
or operator change for all wells listed on Federa	al or	Indian	leases o	on:	BLM	NOT YET	BIA	NOT YET	
7. Federal and Indian Units:	_								
The BLM or BIA has approved the successor		-				<u>N/A</u>	-		
8. Federal and Indian Communization Ag			•	•					
The BLM or BIA has approved the operator of					6 T	N/A			
9. Underground Injection Control ("UIC"				_			-		
Inject, for the enhanced/secondary recovery un DATA ENTRY:	ıı/pro	ојест то	or the w	ater disposai wei	ii(s) iistea o	n:	9/24/2014		
1. Changes entered in the Oil and Gas Database				10/8/2014	_				
 Changes have been entered on the Monthly Or Bond information entered in RBDMS on: 	erat	or Cha	ange Sp			10/8/2014	•		
3. Bond information entered in RBDMS on:4. Fee/State wells attached to bond in RBDMS on				10/8/2014 10/8/2014	•				
5. Injection Projects to new operator in RBDMS of				N/A	•				
6. Receipt of Acceptance of Drilling Procedures for	or Al	PD/Nev	w on:		-	10/8/2014	_		
7. Surface Agreement Sundry from NEW operator	on F	ee Sur	face we	lls received on:		9/16/2014	•		
BOND VERIFICATION:									
 Federal well(s) covered by Bond Number: Indian well(s) covered by Bond Number: 				NMB000501	•				
Indian well(s) covered by Bond Number:3a. (R649-3-1) The NEW operator of any state/fe	e wel	ll(s) lis	ted cov	NMB000501 ered by Bond Nu	umher	LPM9149893			
3b. The FORMER operator has requested a release					N/A	LI 1017147075			
LEASE INTEREST OWNER NOTIFIC			, nom t	den bond on.	11/11	-			
4. (R649-2-10) The NEW operator of the fee wells			ontacted	l and informed b	y a letter fro	om the Division			
of their responsibility to notify all interest owner					10/8/2014				
COMMENTS:									

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115 Effective 8/29/2014

Well Name	Section	Township	Range AP		Entity	Mineral	Well	Well
				Number		Lease	Type	Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	Α
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	Α
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	Α
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	Α
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	Α
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	A
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	OW	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	ow	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	ow	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	ow	P
L BOREN U 3-15A2	15	010S	020W	4301330017	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	ow	P
L BOREN U 5-22A2	22	010S	020W	4301330107	5900	Fee	ow	P
L BOREN U 4-23A2	23	010S	020W	4301330107	5905	Fee	ow	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330113	5535	Federal	ow	P
WOODWARD 1-21A2	21	010S	020W	4301330120	5665	Fee	OW	P
LAMICQ 1-20A2	20	0105	020W	4301330133	5400	Fee	GW	P
L RBRTSN ST 1-1B2	1	010S	020W	4301330133	5410	State	OW	P
SMITH ALBERT 1-8C5	8	020S	050W	4301330200	5490	Fee	OW	P
FRESTON ST 1-8B1	8	030S	010W	4301330243	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330294	5950	Fee	OW	P
LAMICQ-URTY U 4-5A2	5	020S 010S	010W	4301330297	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	010S 020S	020 W		5945		OW	P
	18			4301330359	_	Fee	OW	P
STATE 3-18A1		0108	010W	4301330369	5810	Fee		
LAMICQ 2-6B1	6 28	0208	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2		0108	020W	4301330821	5666	Fee	OW	
HAMBLIN 2-26-A2	26	010S	020W	4301330903		Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	OW	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW_	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW_	P
WISSE 3-35A2	35	0108	020W	4301331215	10925	Fee	OW	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	OW	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	OW	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	OW	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	ow	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	ow	P
MCELPRANG 2-30A1	30	010S	010W	4301331326	11252	Fee	ow	P

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115 Effective 8/29/2014

Well Name	Section	Township	Range A	PAPI	Entity	Mineral	Well	Well
		-		Number		Lease	Type	Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	ow	P
LORANGER 6-22A2	22	0108	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	ow	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	OW	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	OW	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	ow	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W		5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	OW	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	ow	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	OW	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 8 WELL NAME and NUMBER TYPE OF WELL OTHER See Attached Well List GAS WELL OIL WELL See Attached Well List 2. NAME OF OPERATOR: API NUMBER: LINN OPERATING, INC PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: 3. ADDRESS OF OPERATOR ZIP 80202 Denver 1999 Broadway, Suite 3700 STATE CO (303) 999-4275 Bluebell/Altamont 4. LOCATION OF WELL COUNTY: Duchsene/Uintah FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 11. TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION 1 NOTICE OF INTENT (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR **NEW CONSTRUCTION** TEMPORARILY ABANDON OPERATOR CHANGE CHANGE TO PREVIOUS PLANS TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/RESUME) WATER SHUT-OFF Date of work completion: COMMINGLE PRODUCING FORMATIONS OTHER: CHANGE OF RECLAMATION OF WELL SITE **OPERATOR** CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893. Attached is a list of wells that are associated with this Change of Operator. Devon Energy Production Company, LP N1375 333 West Sheridan Avenue Oklahoma City, OK 73102-5015 John D Raines SEP 16 2014 Vice President DIV OF OIL GAS & MINING Russell des Cognets II Asset Manager NAME (PLEASE PRINT) 9/8/14 SIGNATURE (This space for State us

OCT 08 2014

DIV. OIL GAS & MINING

(See Instructions on Reverse Side)

OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	
OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE	

Field

BLUEBELL ALTAMONT

State

UT

County

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

DUCHESNE

Devon Energy Production Company, LP Exisiting Well List for State/Fee/Indian Leases

Lease Type

FEE

STATE

Well Type

OIL

Producing Status

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

Producing

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Shut-In

API#

430133128600

430135146400

430133222300

430133003500

430133119200

430133008600

430133011500

430133220300

430133010700

430133012300

430133220200

430133001700

430133001100

430133268400

430133023600

430133137800

430133000500

430133035900 430133129900

430133133500

430133082100

430133127600

430133133200

430133029400

430133134100

430133120300

430133056400

430133430400

430133090300

430133127800

430133114700

430133097500

430133139300

430133139000

430133020000

Well Name

BAR F 2-5B1

BINGHAM 3-4B1

*BOREN 1-14A2-

BOREN 3-11A2

BOREN 3-15A2

BOREN 4-23A2

BOREN 4-9A2

BOREN 5-22A2

BOREN 6-16A2

BROWN 3-4A2

CHAPMAN 2-4B2

COLTHARP 1-15B1

DILLMAN 2-28A2

EDWARDS 3-10B1

FRESTON STATE 1-8B1

DUNCAN 4-2A2

FRESTON 2-7B1

FRESTON 2-8B1

GALLOWAY 1-14B2

GALLOWAY 3-11B2

HAMBLIN 2-26A2

HAMBLIN 3-9A2

LABRUM 2-23A2

LAMICQ ROBERTSON 1-1B2

HATCH 2-3B1

LAMB 2 16A2

JOHN 2-3B2

COX 2-36A2

BOWMAN 5-5A2

BROWN DOUG 2-4A2

BROWN VICTOR C 1-4A2

CAMPBELL UTE ST 1-7B1

CLYDE MURRAY 1-2A2

CORNABY 2-14A2 (RECOMP)

BLANCHARD 3-10A2

Legal Location

005-002S-001W

004-002S-001W

010-001S-002W

014-001S-002W

011-001S-002W

015-001S-002W

023-001S-002W

009-001S-002W

022-001S-002W

016-001S-002W

005-001S-002W

004-001S-002W

004-001S-002W

004-001S-002W

007-002S-001W

004-002S-002W

002-001S-002W

015-002S-001W

014-001S-002W

036-001S-002W

028-001S-002W

002-001S-002W

010-002S-001W

008-002S-001W

007-002S-001W

008-002S-001W

014-002S-002W

011-002S-002W

026-001S-002W

009-001S-002W

003-002S-001W

003-002S-002W

023-001S-002W

016-001S-002W

001-002S-002W

GAS & MINING 2014 SEP

RECEIVED

SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

RECEIVED

SEP 16 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

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	DIVISION OF OIL, GAS AND	MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached Well List
SUNDR	Y NOTICES AND REPOR	RTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill drilf horizontal	I new wells, significantly deepen existing wells below laterals. Use APPLICATION FOR PERMIT TO DR	w current bottom-hole depth, reenter plugged wells, or to RILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER See Attached Well List			8. WELL NAME and NUMBER: See Attached Well List
2. NAME OF OPERATOR:			9. API NUMBER:
LINN OPERATING, INC		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1999 Broadway, Suite 3700	TY Denver STATE CO		Bluebell/Altamont
LOCATION OF WELL FOOTAGES AT SURFACE:			county: Duchsene
QTR/QTR, SECTION, TOWNSHIP, RA	NGE, MERIDIAN:	1 10000 1000	STATE: UTAH
CHECK APP	PROPRIATE BOXES TO INDIC	CATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATIO CONVERT WELL TYPE	DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME) ONS RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: CHANGE OF OPERATOR
DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show	all pertinent details including dates, depths, volum	nes, etc.
under the terms and cond blanket state bond numb	ditions of the leases for operation of the LPM9149893 .	Energy Production Company, LP, to ons conducted on the leased lands	or a portion thereof under their
Attached is a list of Applic	cations for Permit to Drill (APD)) that are associated with this Chang	ge of Operator.
Devon Energy Production	ue		
Oklahoma City, OK 7310	2-5015		
Oklahoma City, OK 7310	2-5015		
Oklahoma City, OK 7310 John D. Raines Vice President		TITLE Asset Manager	
333 West Sheridan Aven Oklahoma City, OK 7310 John D. Raines Vice President Russell d		TITLE Asset Manager	

OCT 0 8 2014

(See Instructions on Reverse Side)

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(5/2000)

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT			
Well Name and Number SWD 1-3A2		API Number 4301330021	
Location of Well	DUCHESNE	Field or Unit Name BLUEBELL ALTAMONT	
Footage: 348' FSL & 315' FEL QQ. Section, Township, Range: SESE 3 1S 2W	County : DUCHESNE	Lease Designation and Number FEE	

EFFECTIVE DATE OF TRANSFER: 8/29/2014

	DEVON ENERGY PRODUCTION CO., L.P.	Name:	JOHN D. RAINES	
Address: 3	333 WEST SHERIDAN AVENUE	Signature:	Chy The	
cit	ty OKLAHOMA CITY state OK zip 73102-5015	Title:	VICE PRESIDENT	
Phone: (4	405) 228-4480	Date:		

NEW OPERATOR LINN OPERATING, INC. Russell des Cognets II Company: Name: 1999 BROADWAY, SUITE 3700 Address: Signature: ASSET MANAGER city DENVER state CO zip 80202 Title: 9/15/14 (303) 999-4275 Phone: Date: Comments:

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Transfer approved by:

Comments:

Title:

Approval Date:

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5 LEASE DESIGNATION AND SERIAL NUMBER:			
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:			
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: MISC.			
2. NAME OF OPERATOR:	9. API NUMBER:			
LINN OPERATING, INC. 3. ADDRESS OF OPERATOR: IPHONE NUMBER:	40 37/2 00/2 00/2 00/2			
1999 Broadway, Ste #3700 GHY Denver STATE CO AR 80202 (303) 999-4016	10. FIELD AND POOL, OR WILDCAT: Bluebell			
4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 14 1S 2W	STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA			
TYPE OF SUBMISSION TYPE OF ACTION				
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION			
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL			
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON			
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR			
CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	VENT OR FLARE			
(Submit Original Form Only)	WATER DISPOSAL			
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	WATER SHUT-OFF			
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	OTHER: Excluded wells from Change of Operator			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volum	es elc			
Do not process Change of Operator from Devon Energy Production Company, LP to LINN Operating, Inc. for the following wells.				
43-013-31192 BOREN 3-11A2 Oil Well Producing BLUEBELL DUCH 43-013-51846 MIKE AND SHELLEY #4-14A2 Oil Well Approved permit (APD) BLUEI 43-013-31299 CORNABY 2-14A2 Oil Well Producing BLUEBELL DUCH 43-013-30035 FLY/DIA L BOREN 1-14A2 Oil Well Shut-In BLUEBELL DUCHES	BELL DUCHESNE 1S-2W Sec14 IESNE 1S-2W Sec 14			
The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right to purchase the leases and wells in Sections 11 amd 14 of T1S, 2W so EP Energy now owns these wells.				
NAME (PLEASE PRINT) Debbie Chan TITLE Reg. Compliance	e Supervisor			
SIGNATURE				
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Sundry Number: 59715 API Well Number: 43013300210000

	STATE OF UTAH		FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: FEE
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Water Disposal Well			8. WELL NAME and NUMBER: 1-3A2
2. NAME OF OPERATOR: LINN OPERATING, INC.			9. API NUMBER: 43013300210000
3. ADDRESS OF OPERATOR: Rt. 2 Box 7735 , Roosevelt, UT, 84066 435 722-1325 Ext			9. FIELD and POOL or WILDCAT: BLUEBELL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0348 FSL 0315 FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 03 Township: 01.0S Range: 02.0W Meridian: U			STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
1/8/2015	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
		VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT		SI TA STATUS EXTENSION	APD EXTENSION
Report Date:		STA STATUS EXTENSION	
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER: Step Rate Test
	COMPLETED OPERATIONS. Clearly show all pe		of property
Lilli Operating, inc.	requests permission to perform the 1-3A2.	a Step Nate Test on	Approved by the UAphiDi4is2015f
	the 1 GAZ.		Oil, Gas and Mining
			Date:
			By: Sork Sunt
NAME (DI EACE DOINT)	DUONE NUMBER	TITLE	
NAME (PLEASE PRINT) Krista Wilson	PHONE NUMBER 435 722-1325	Regulatory Permitting Tech	ı
SIGNATURE N/A		DATE 1/8/2015	
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